

FIG. 1

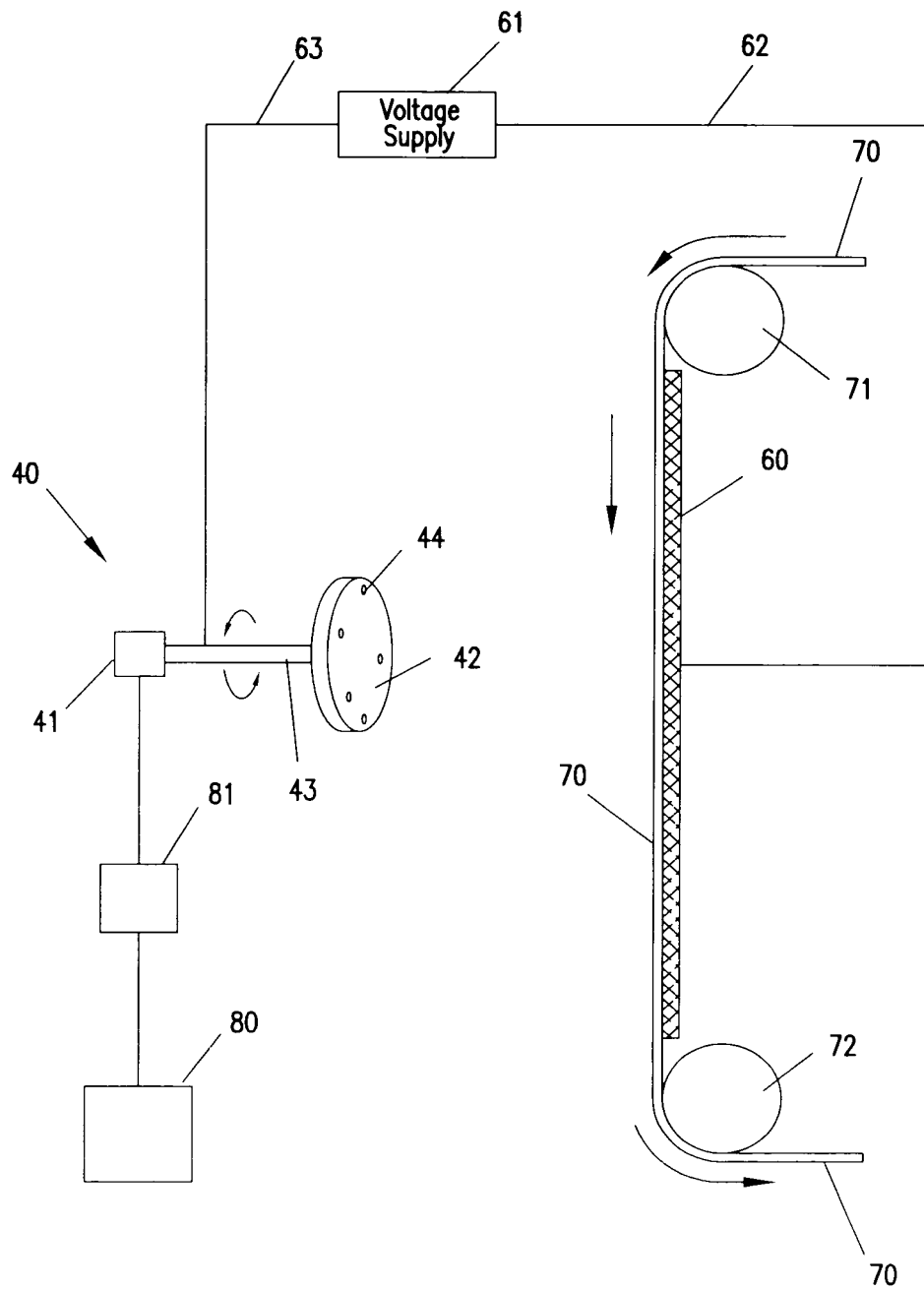


FIG. 2

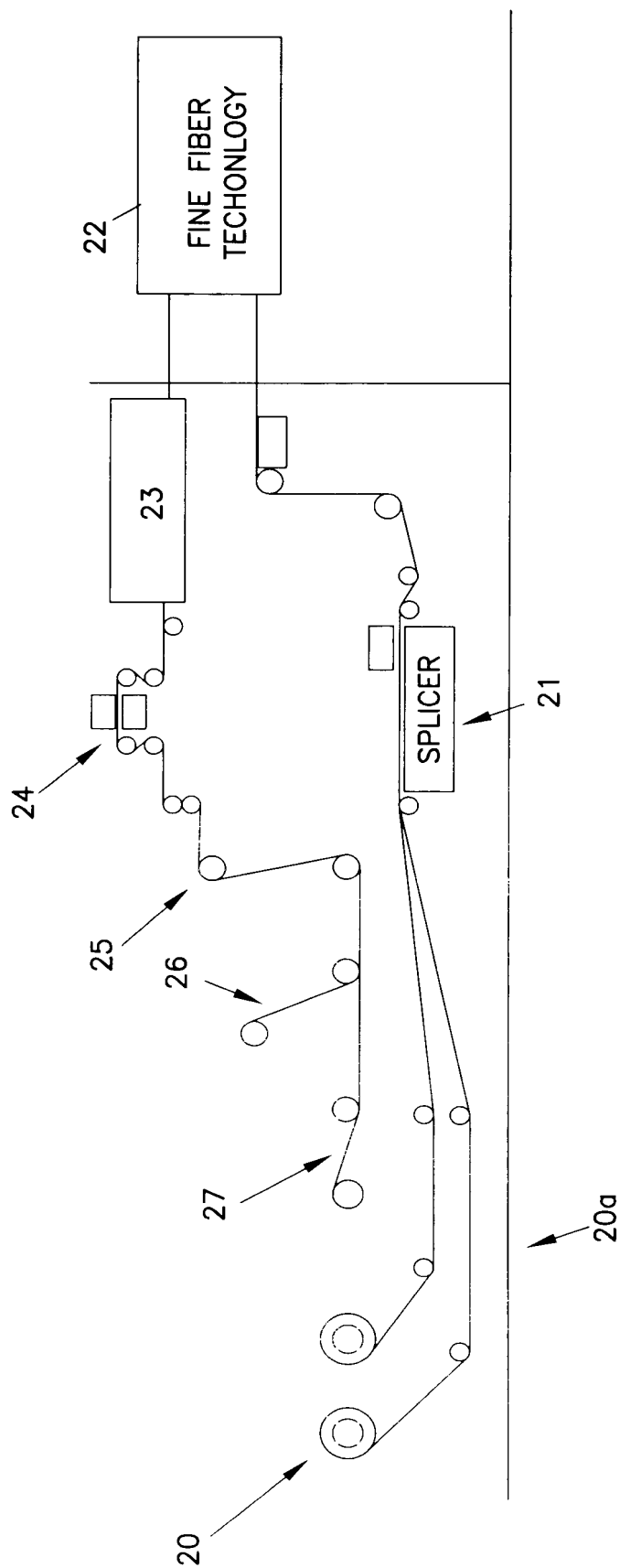
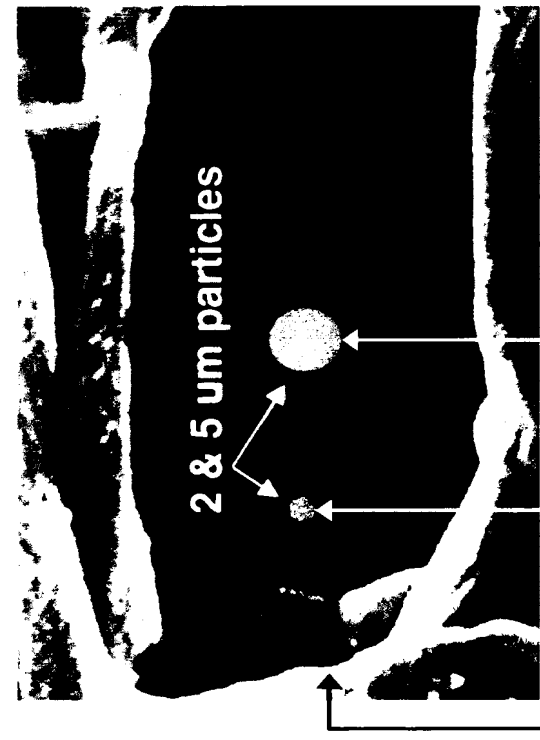


FIG. 3A

Cellulose Media



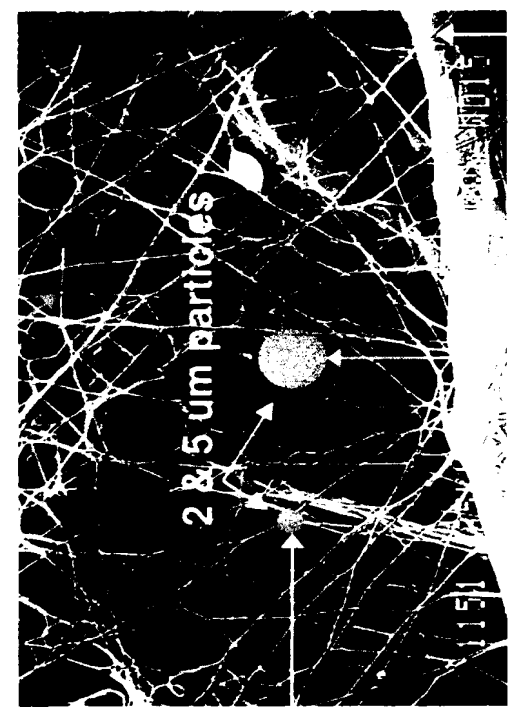
33

31

32

FIG. 3B

Ultra-Web



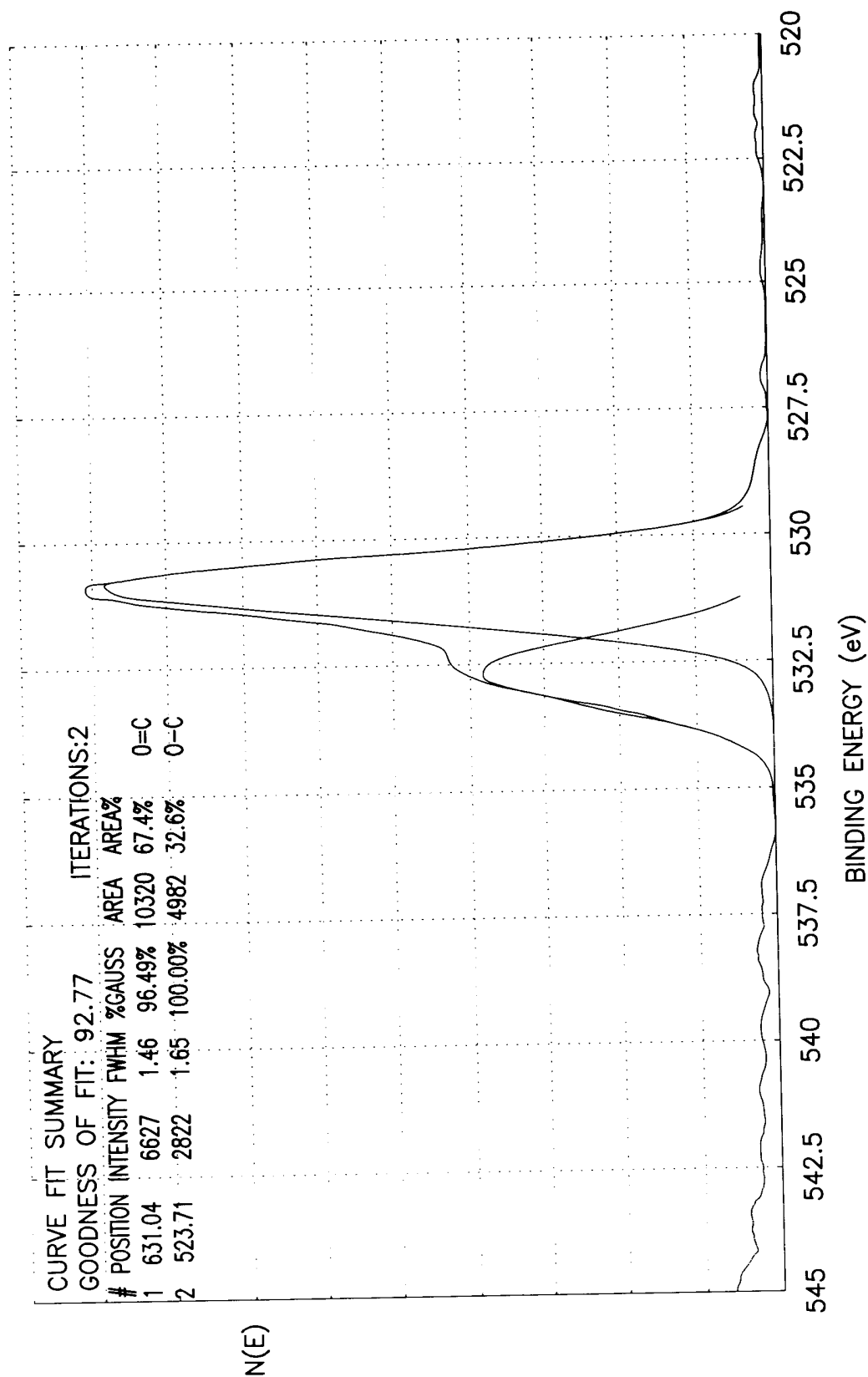
31

32

33

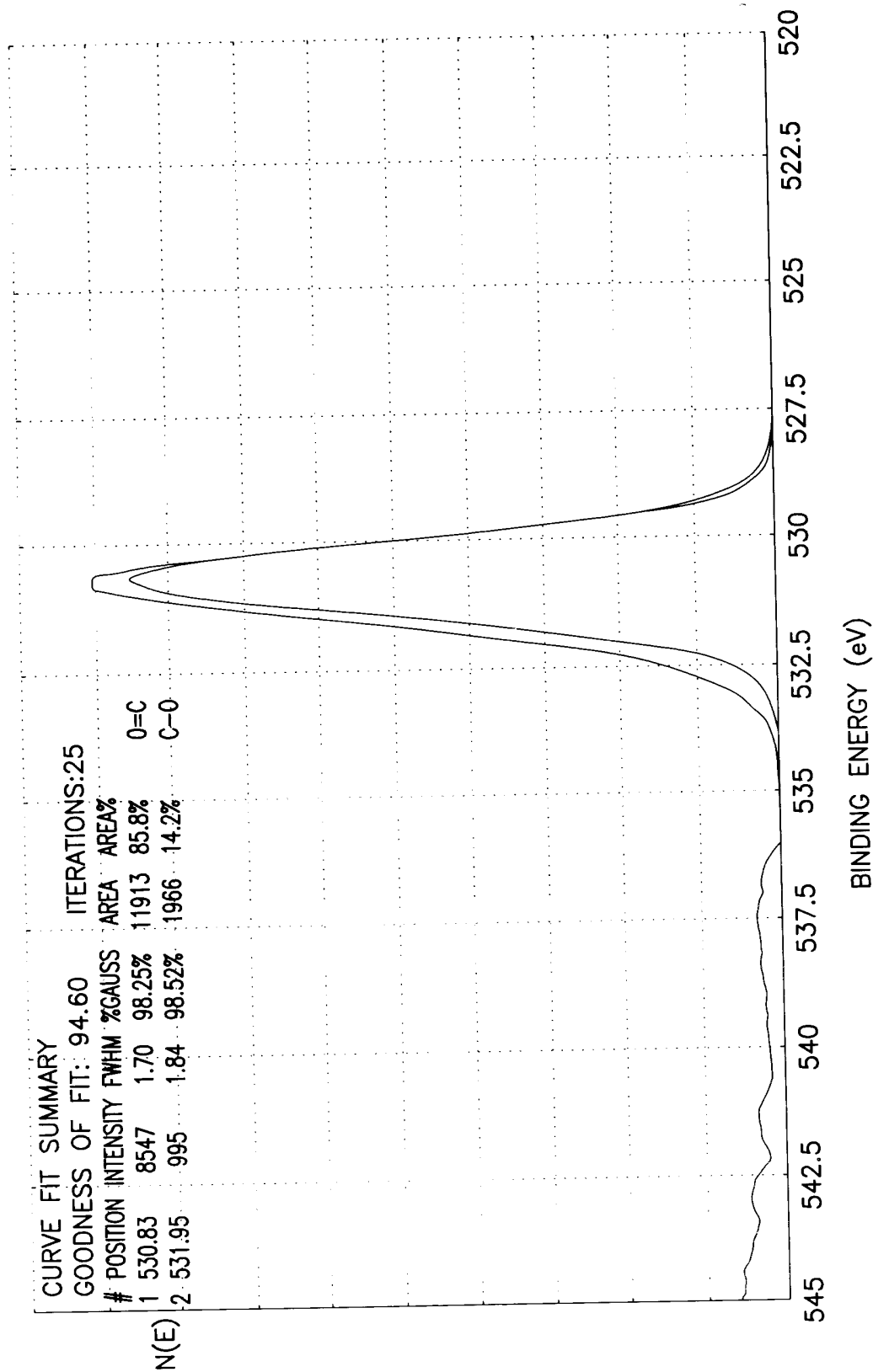
2,000 X Scanning Electron Microscope Images

ESCA O1s SPECTRA FOR SAMPLE 6A AS SPAN



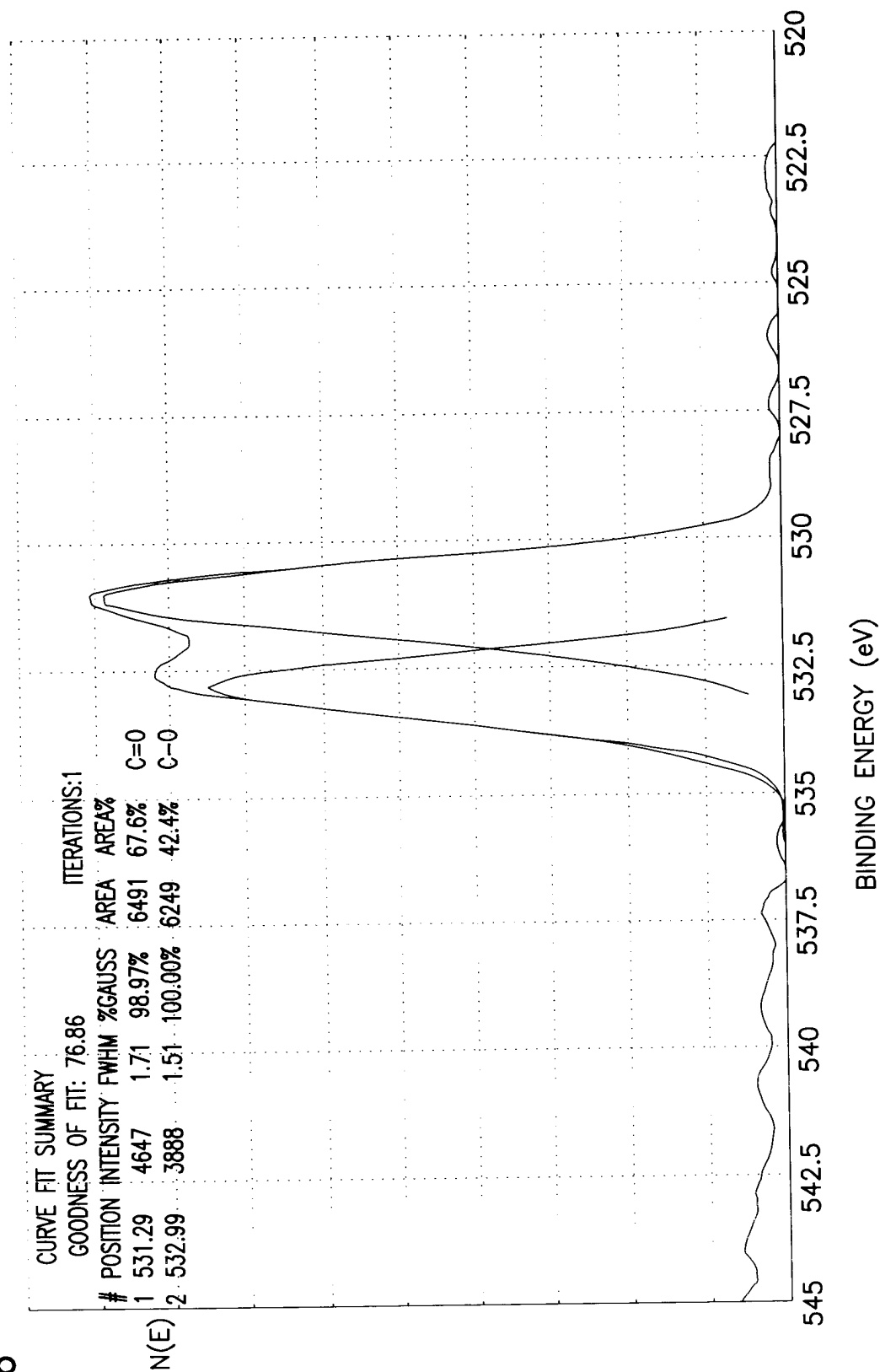
ESCA O1s SPECTRA FOR HEAT-TREATED SAMPLE 6A

FIG.5



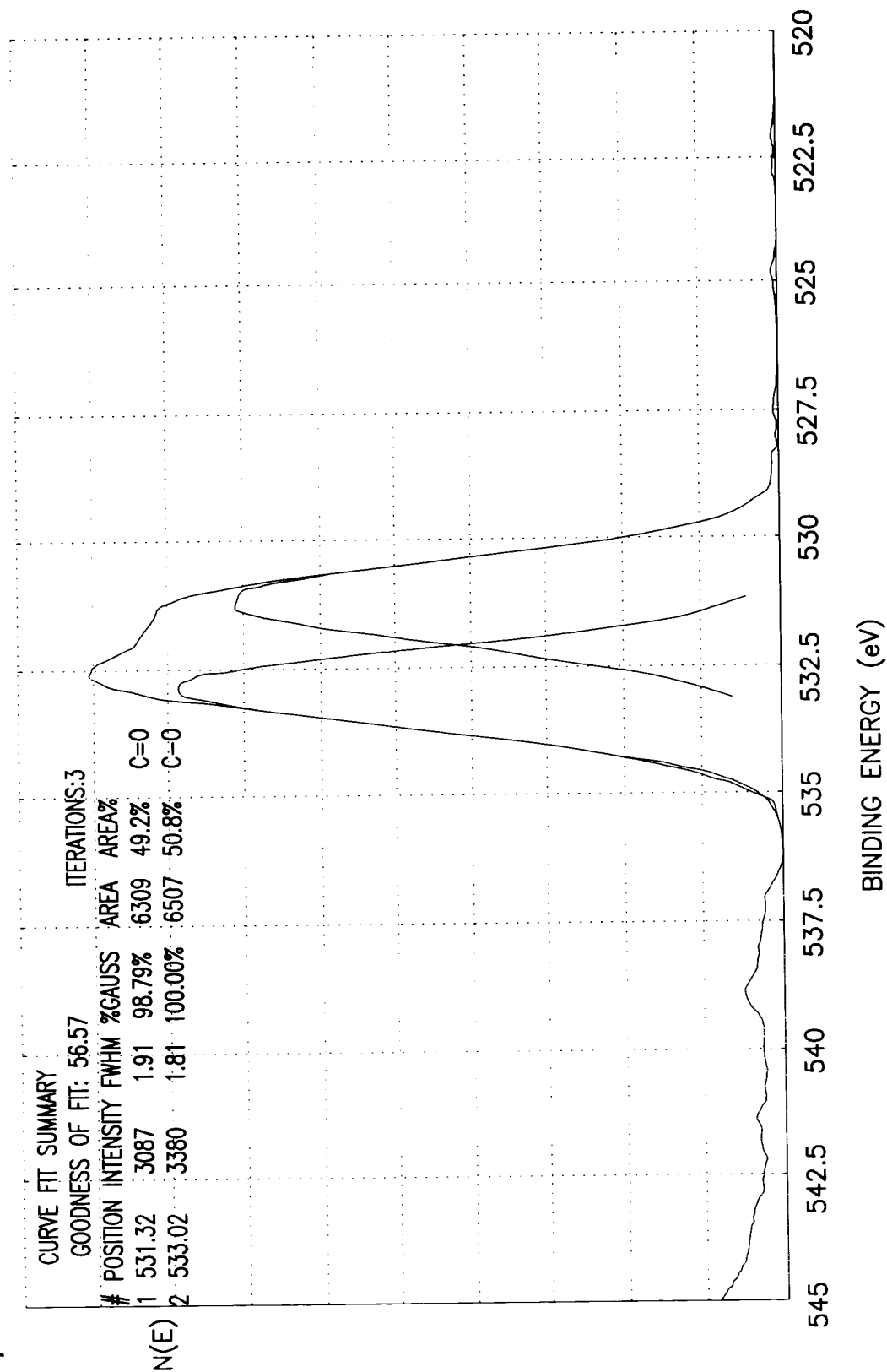
ESCA O1s SPECTRA FOR AS-SPAN EXAMPLE 6B

FIG. 6



ESCA O1s SPECTRA FOR HEAT-TREATED EXAMPLE 6B

FIG. 7



ESCA 01s MULTIPLEX FOR AS-SPUN SAMPLE 6A

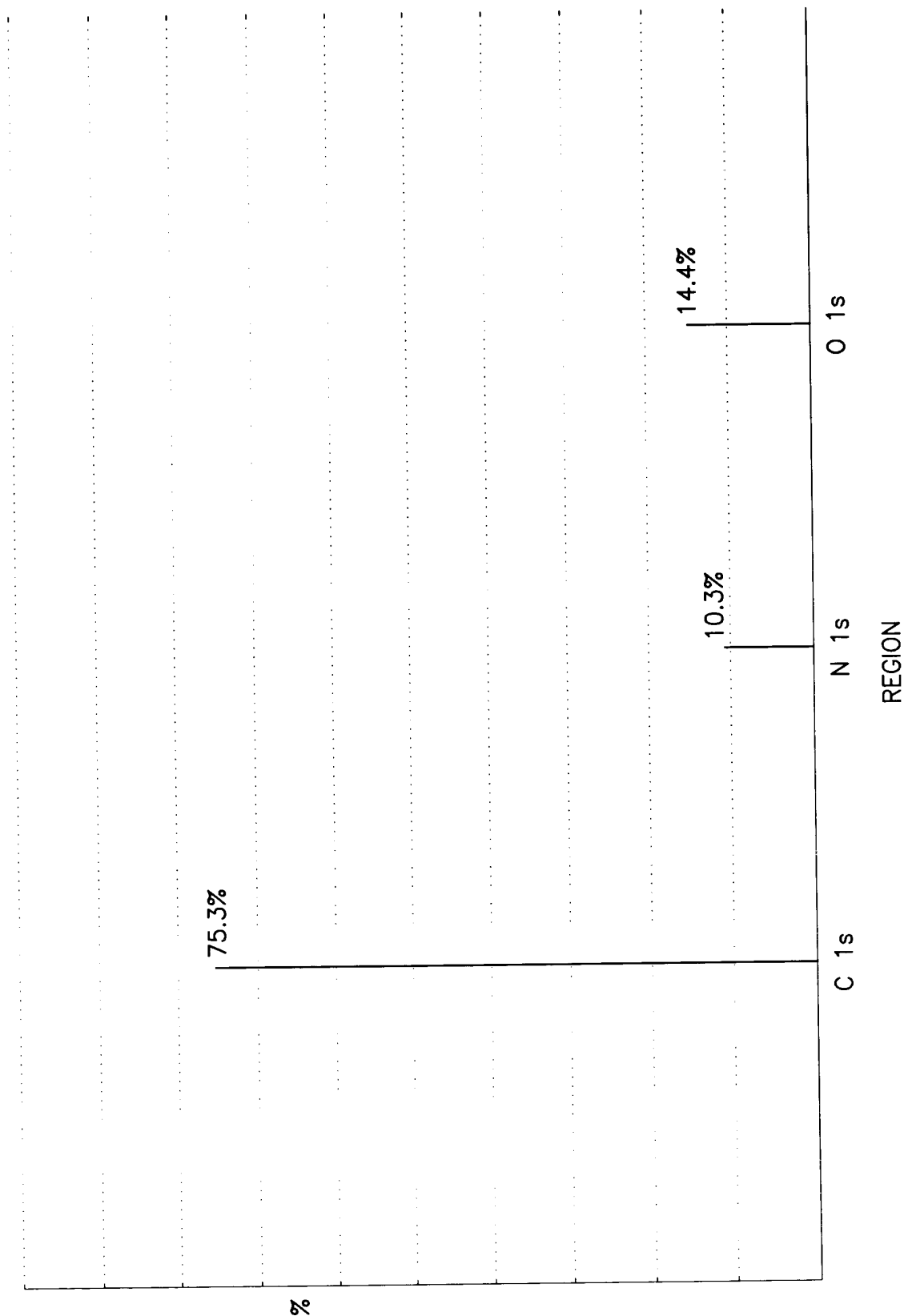
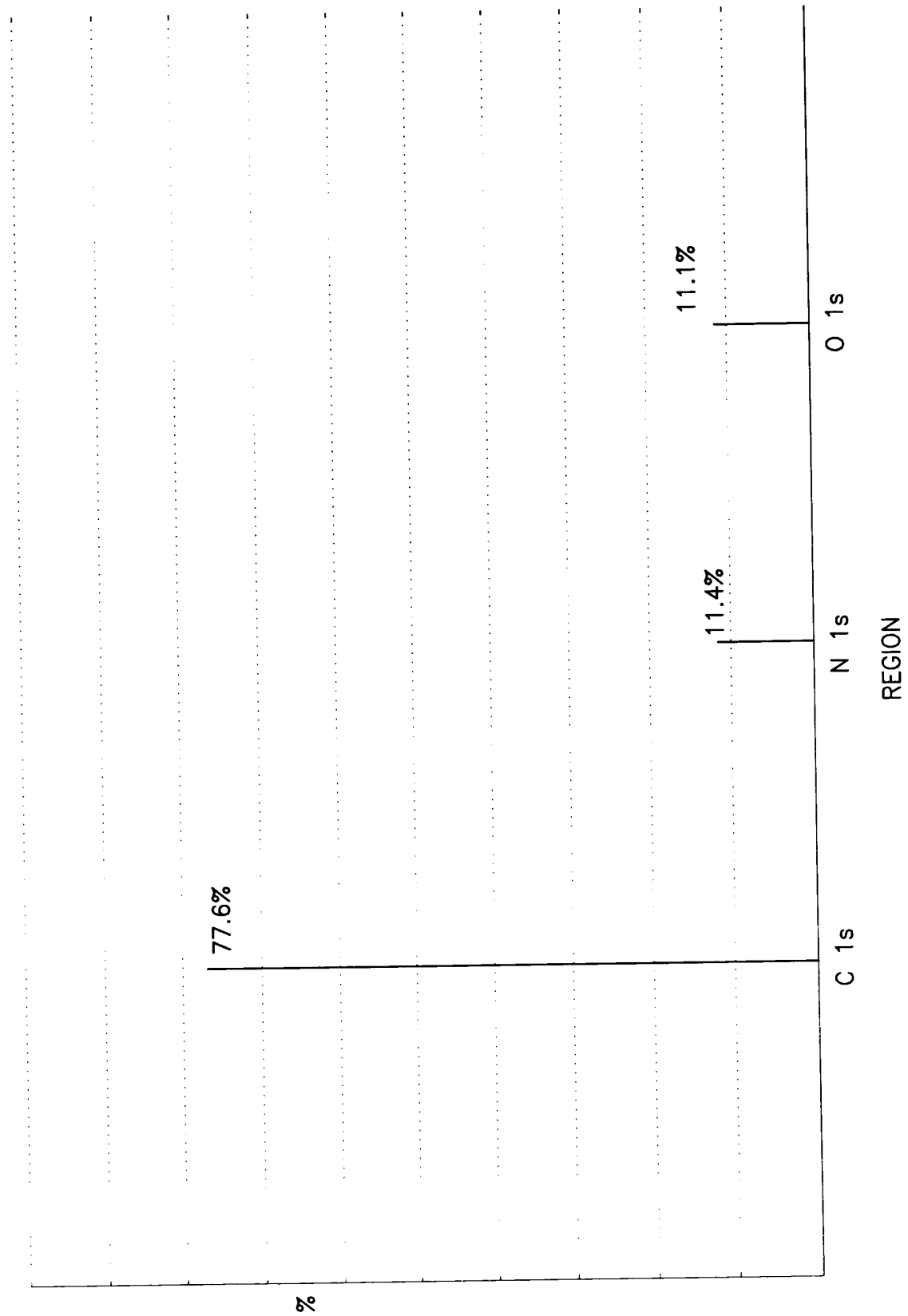


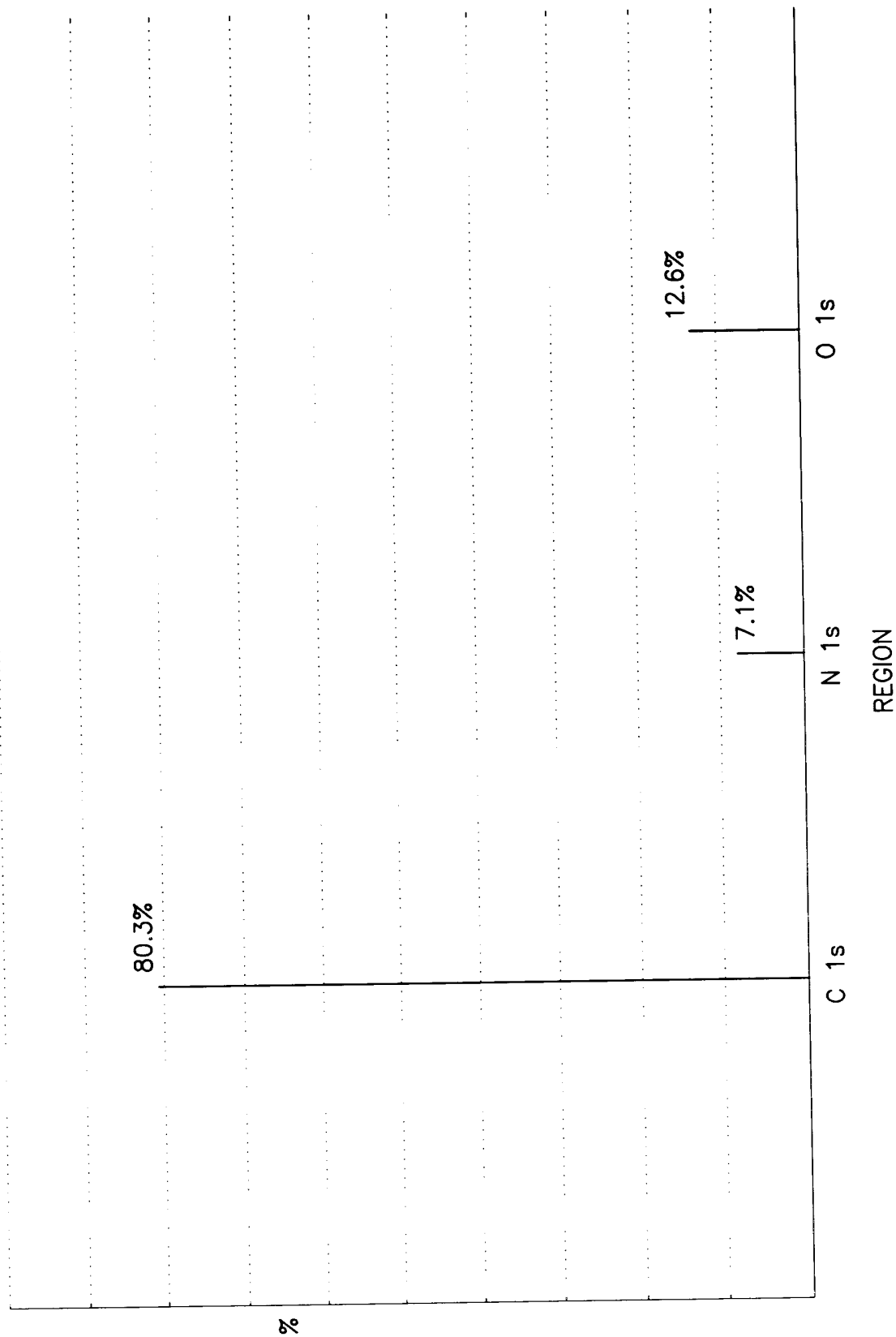


FIG. 9



# ESCA 01s MULTIPLEX FOR AS-SPIN SAMPLE 6B

FIG.10



ESCA 01s MULTIPLEX FOR HEAT-TREATED SAMPLE 6B

FIG. 11

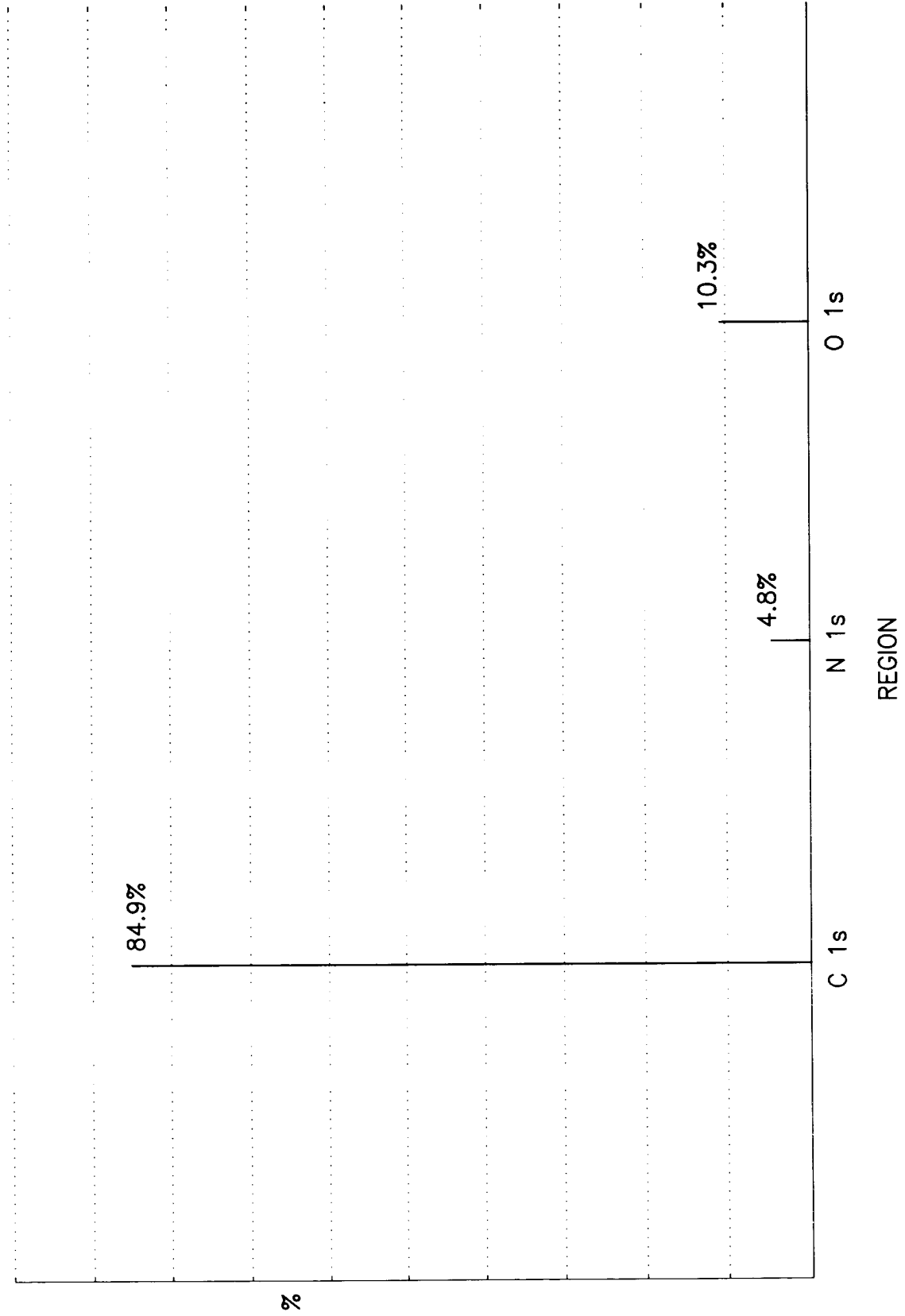


FIG.12

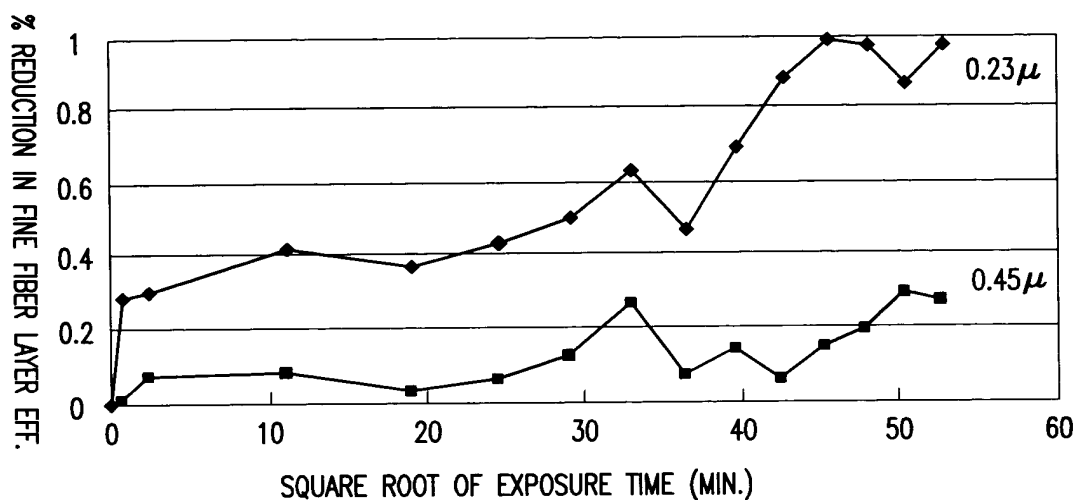


FIG.13

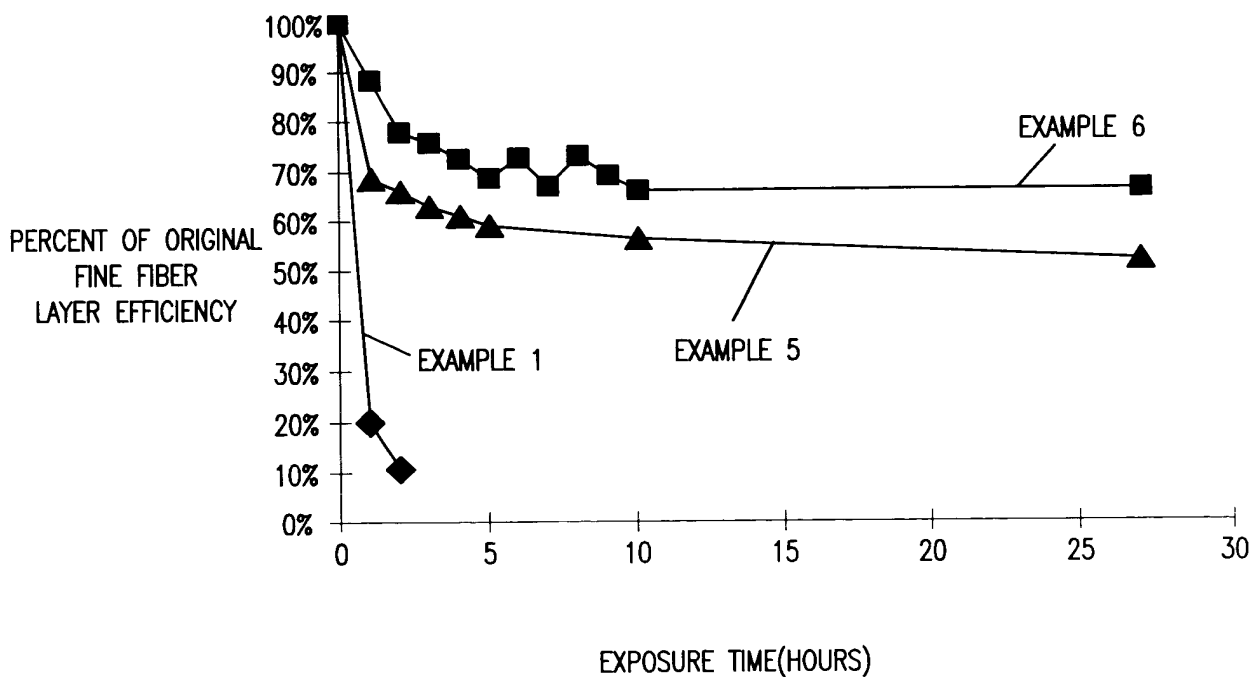


FIG.14

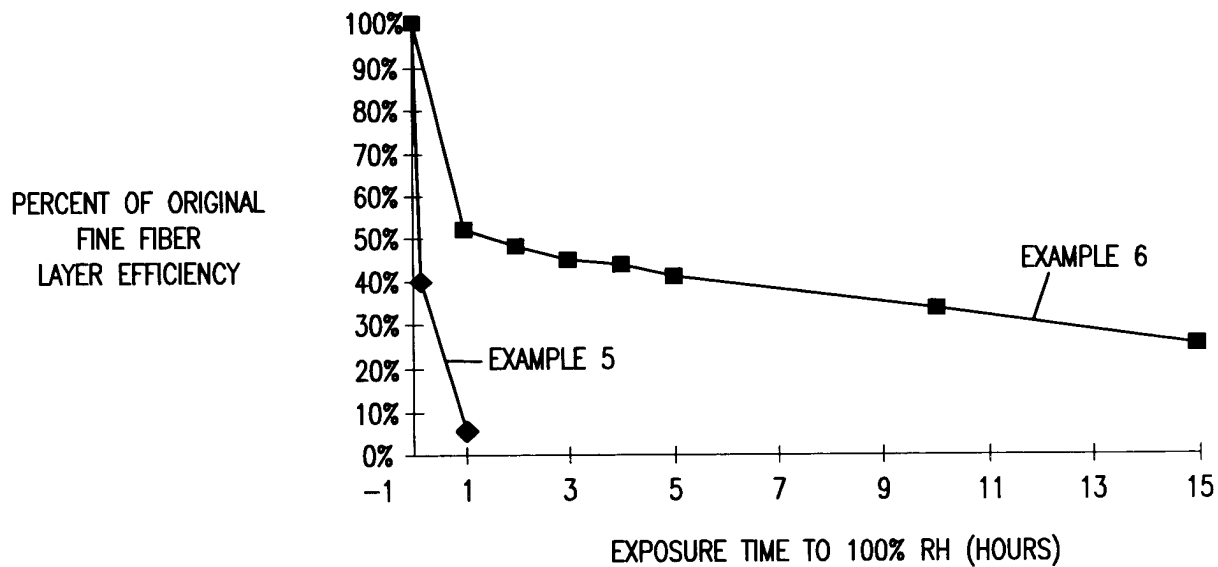


FIG.15

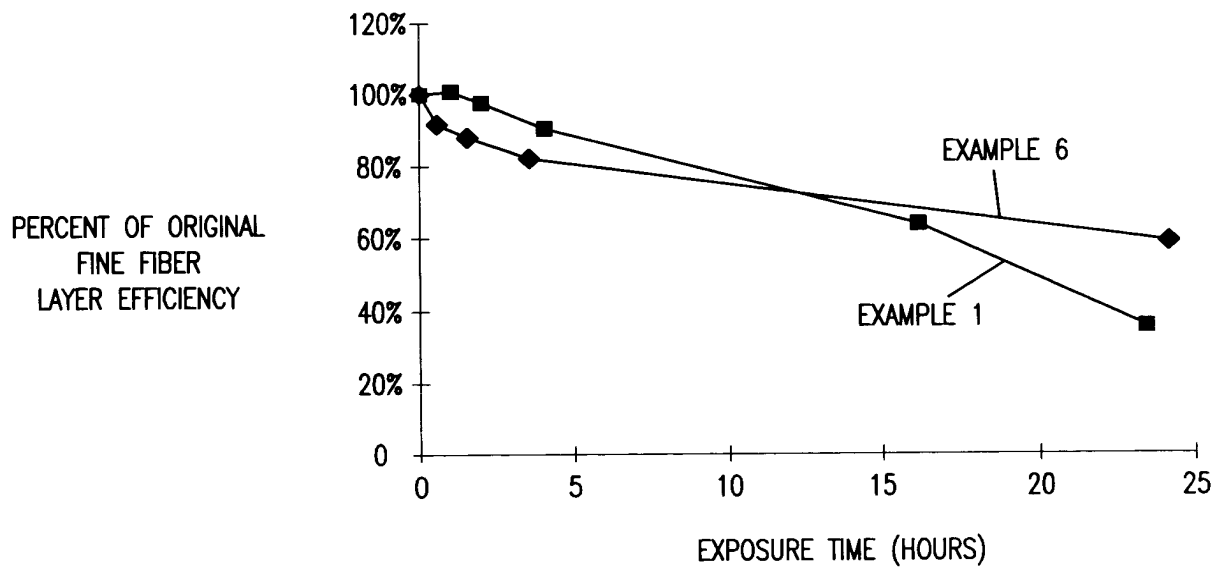
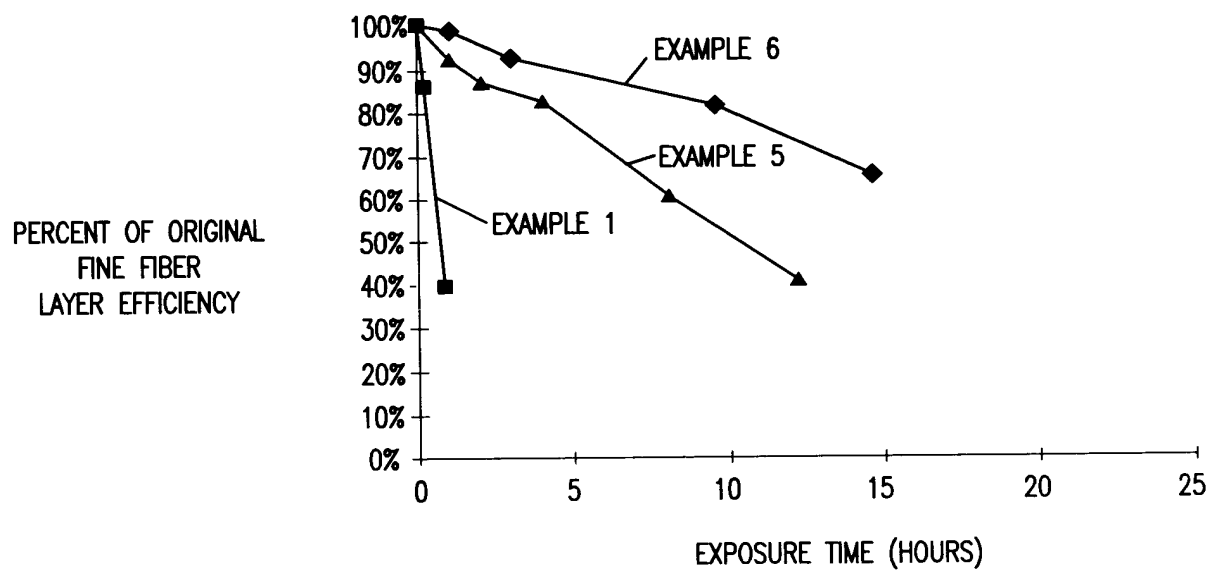
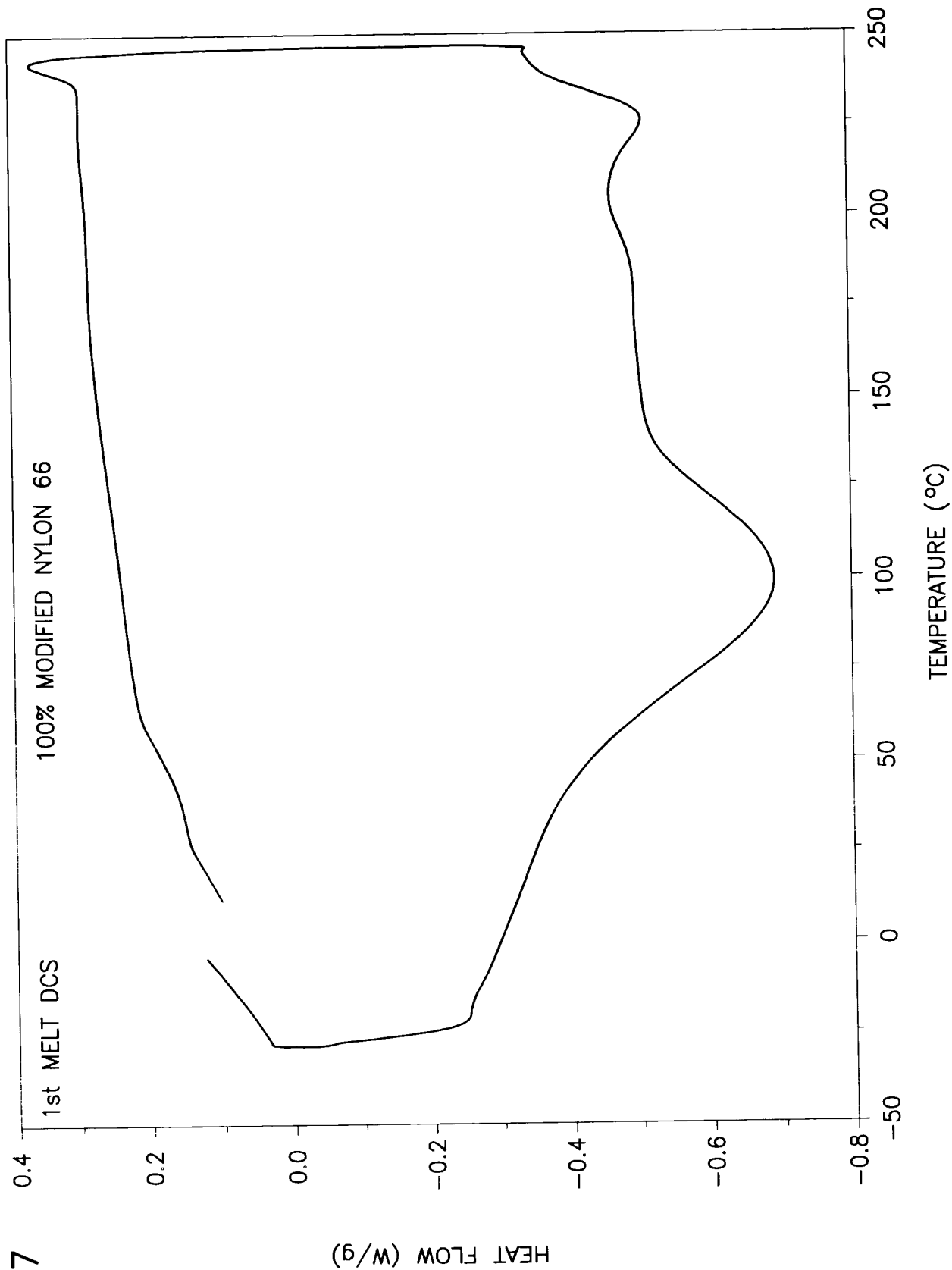


FIG.16





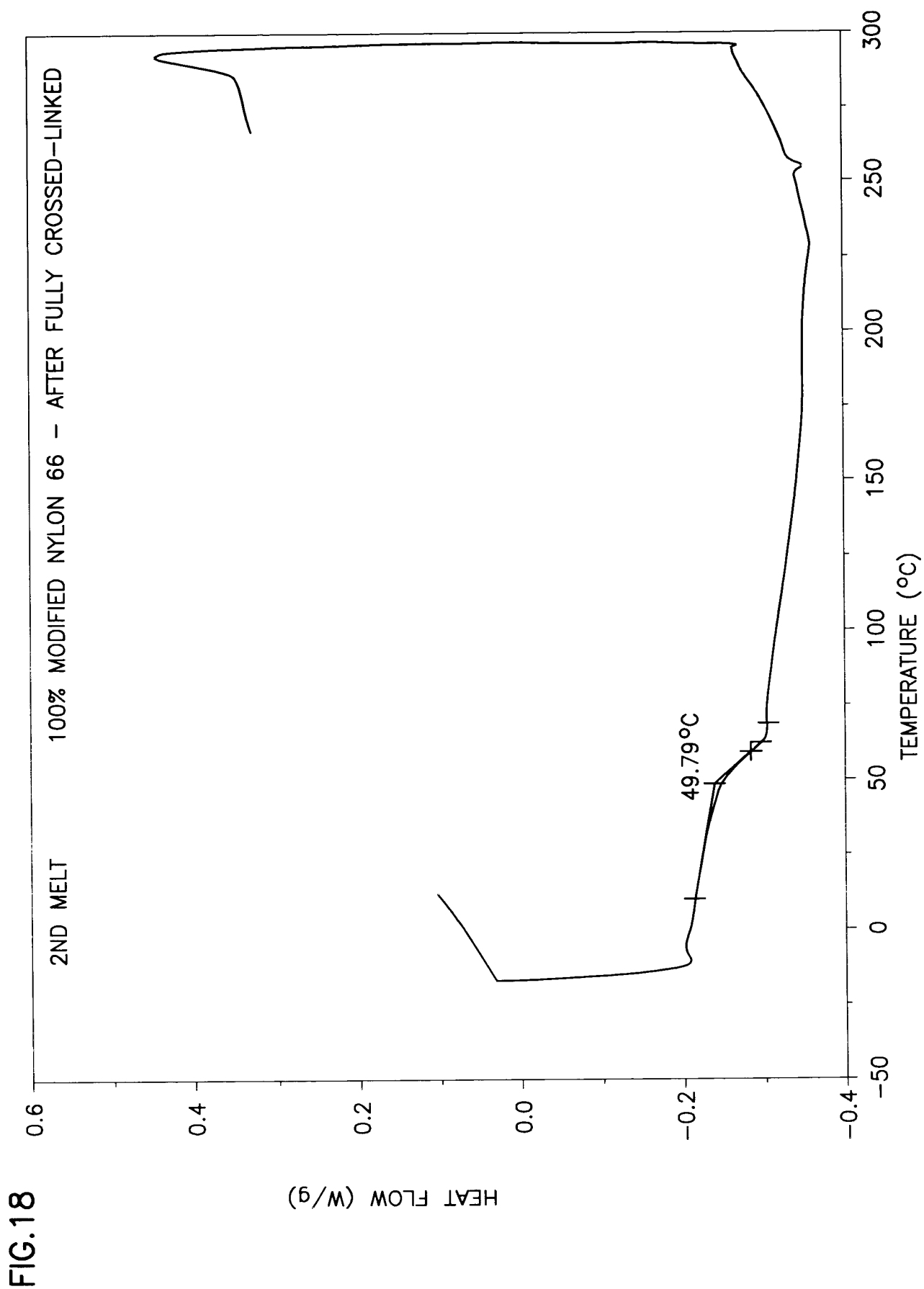




FIG.19

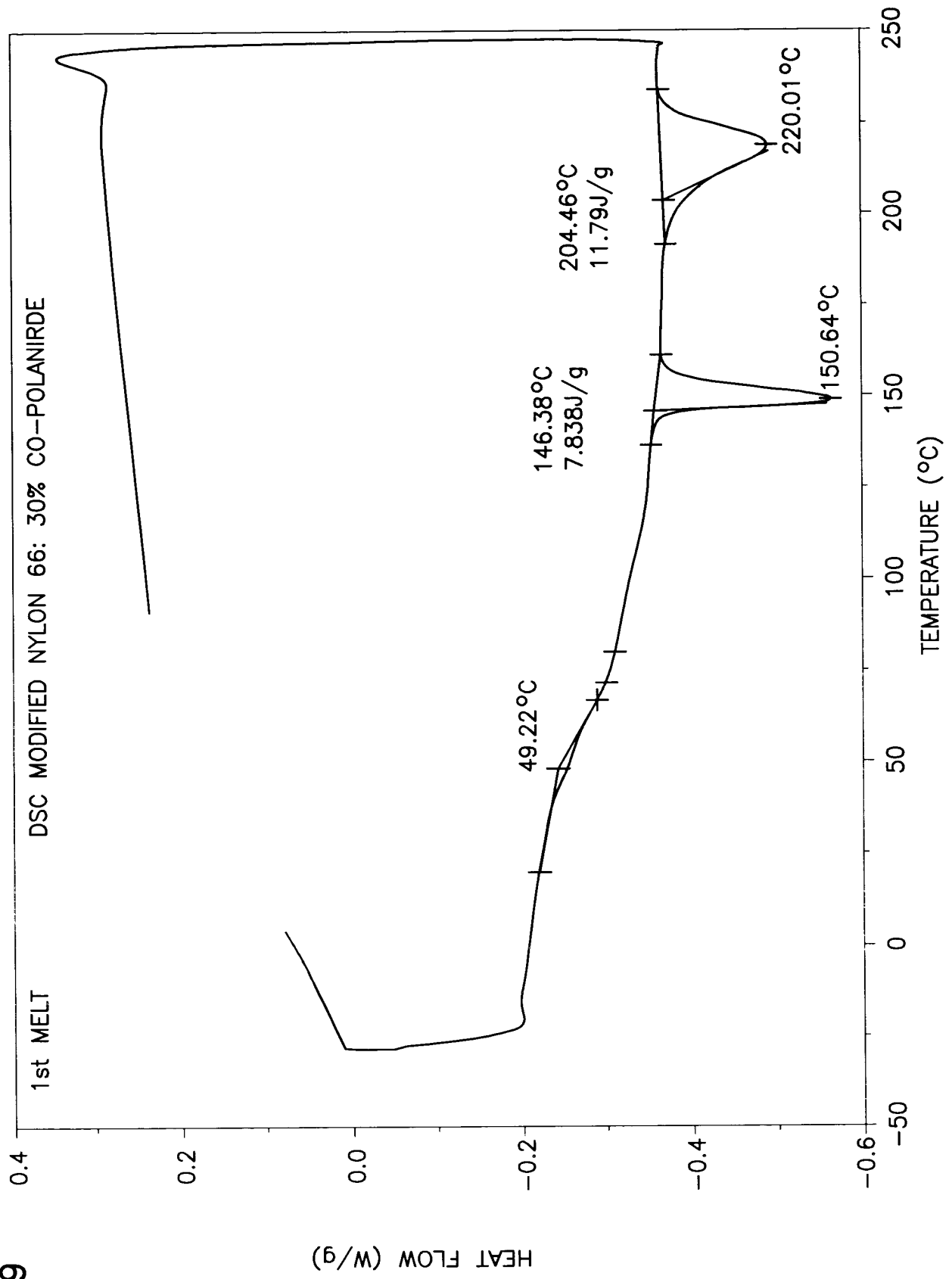
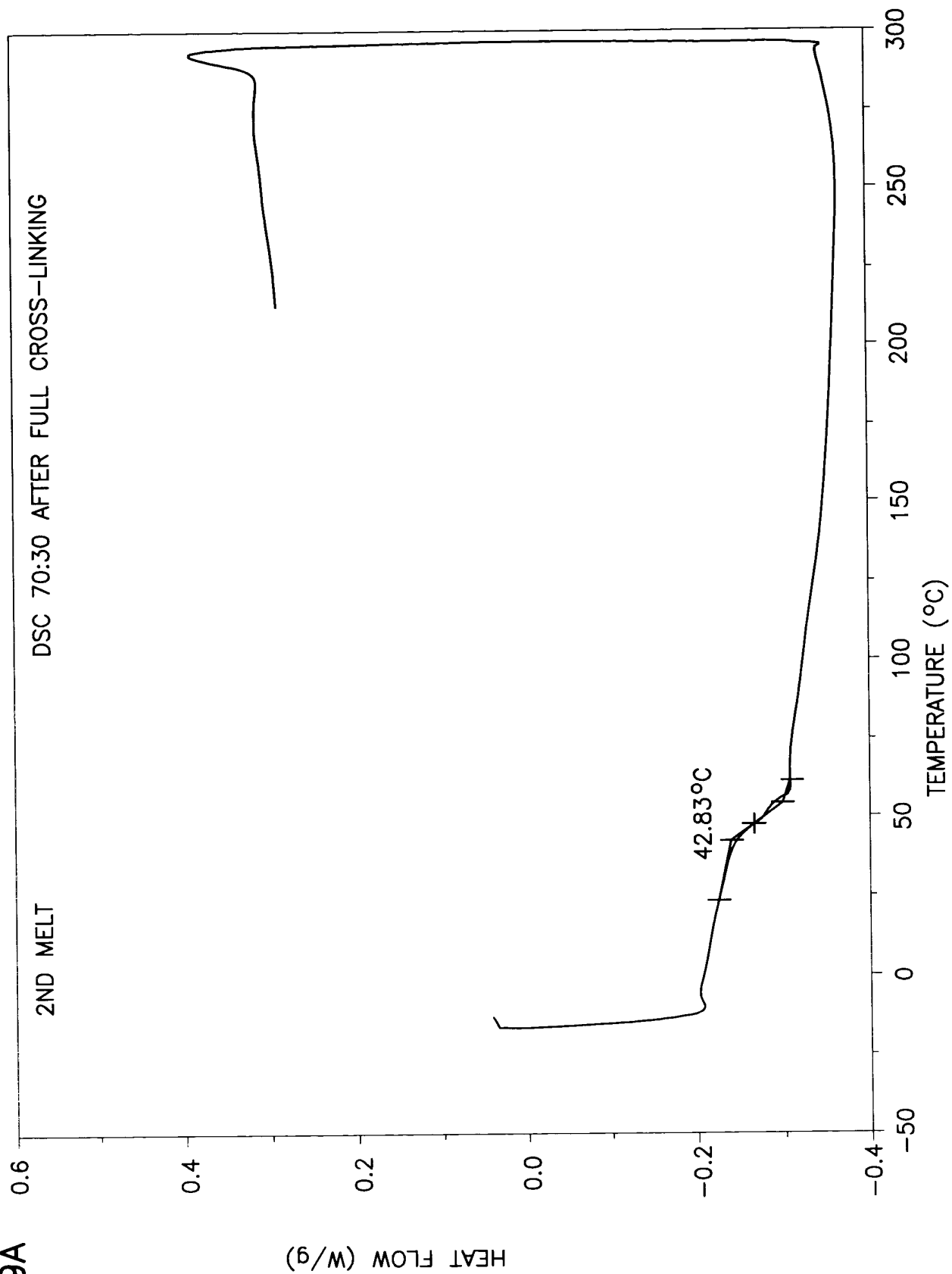


FIG. 19A



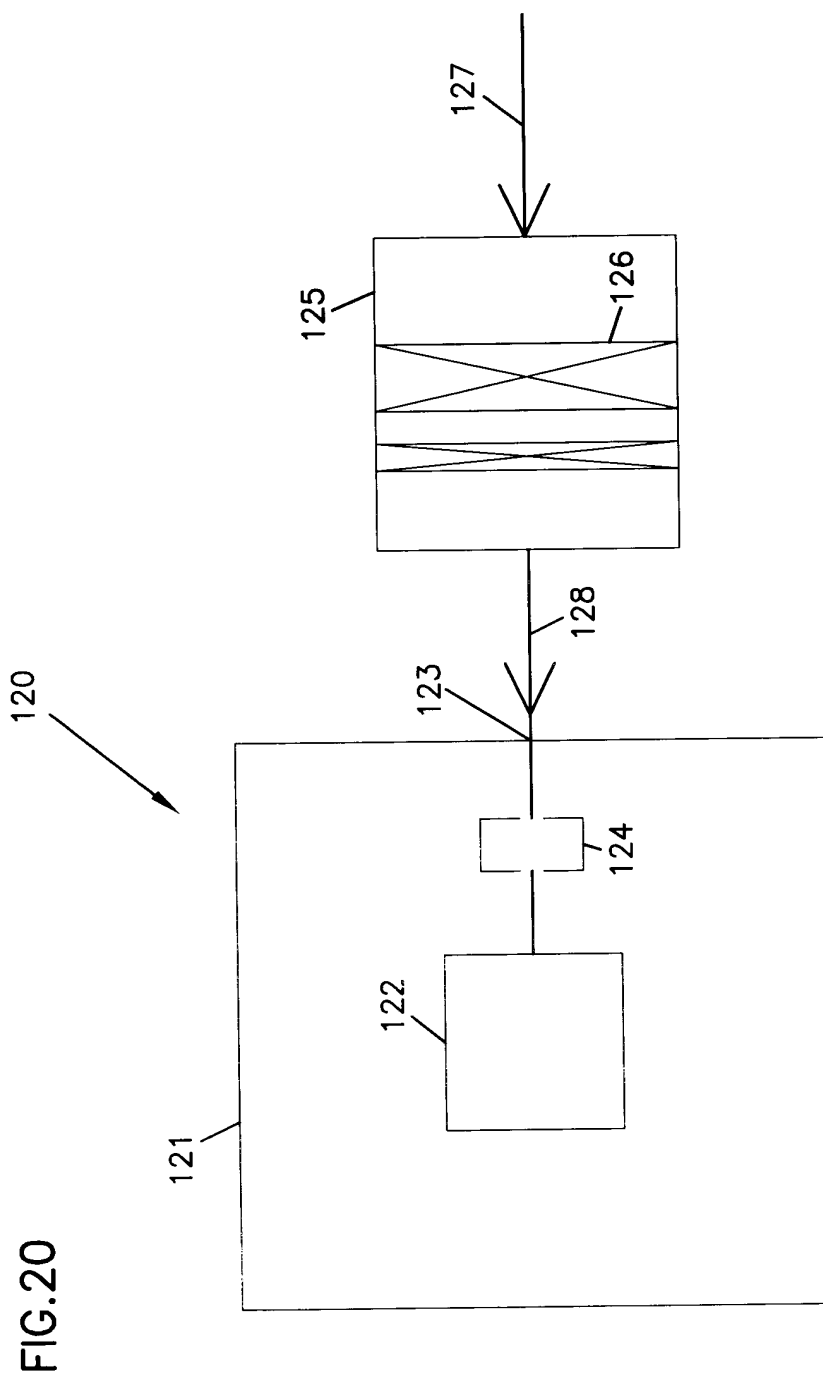


FIG.23

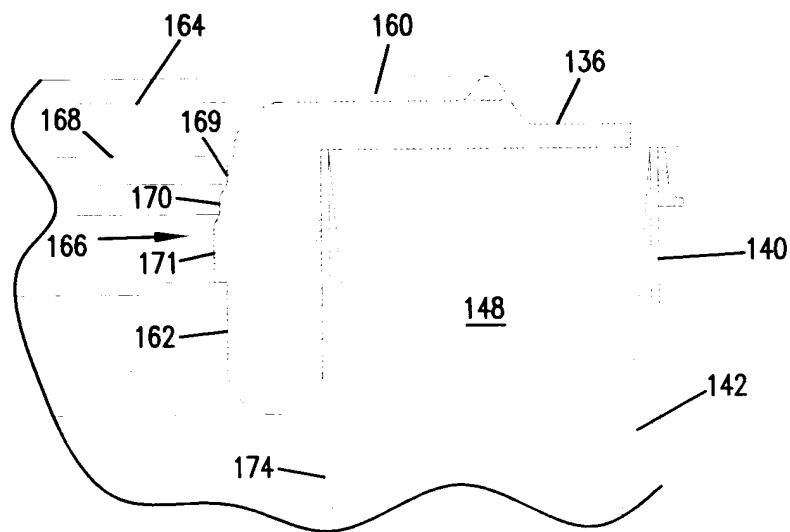


FIG.21

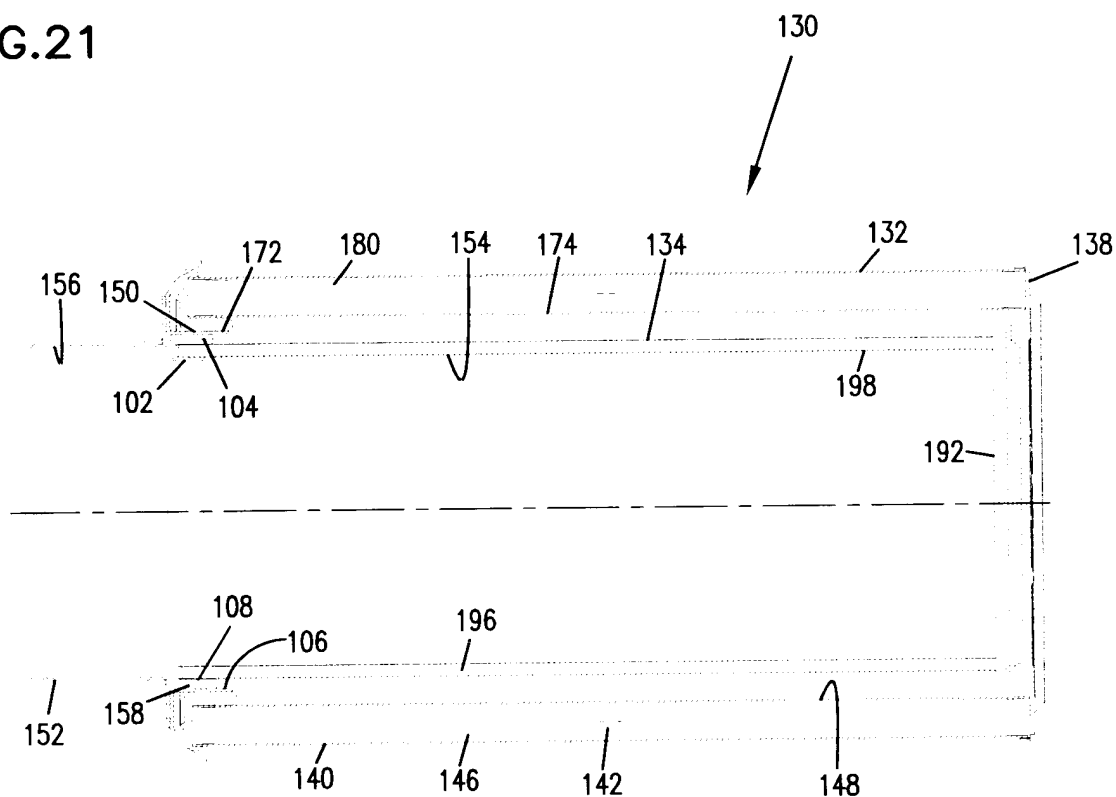


FIG.22

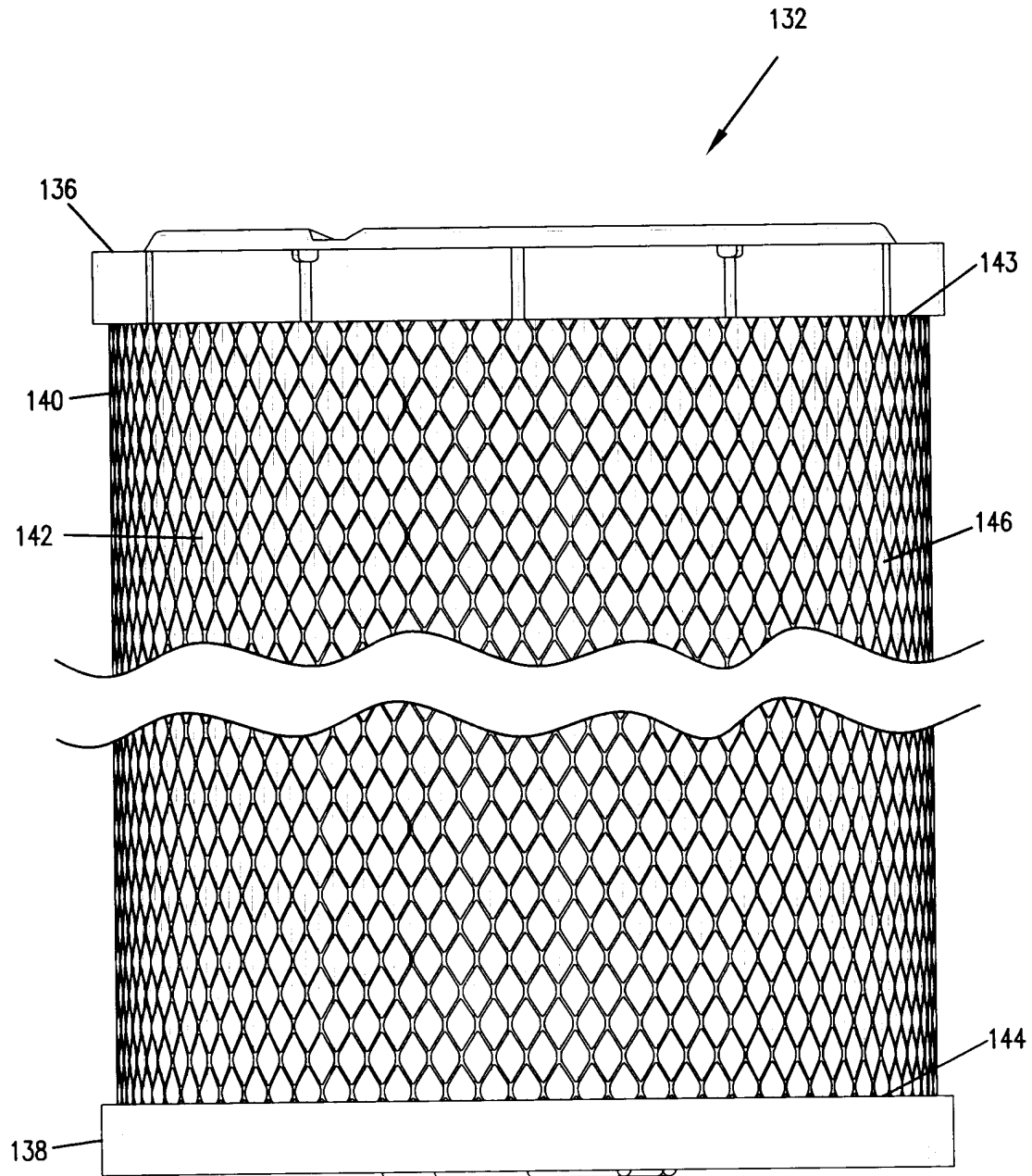


FIG.24

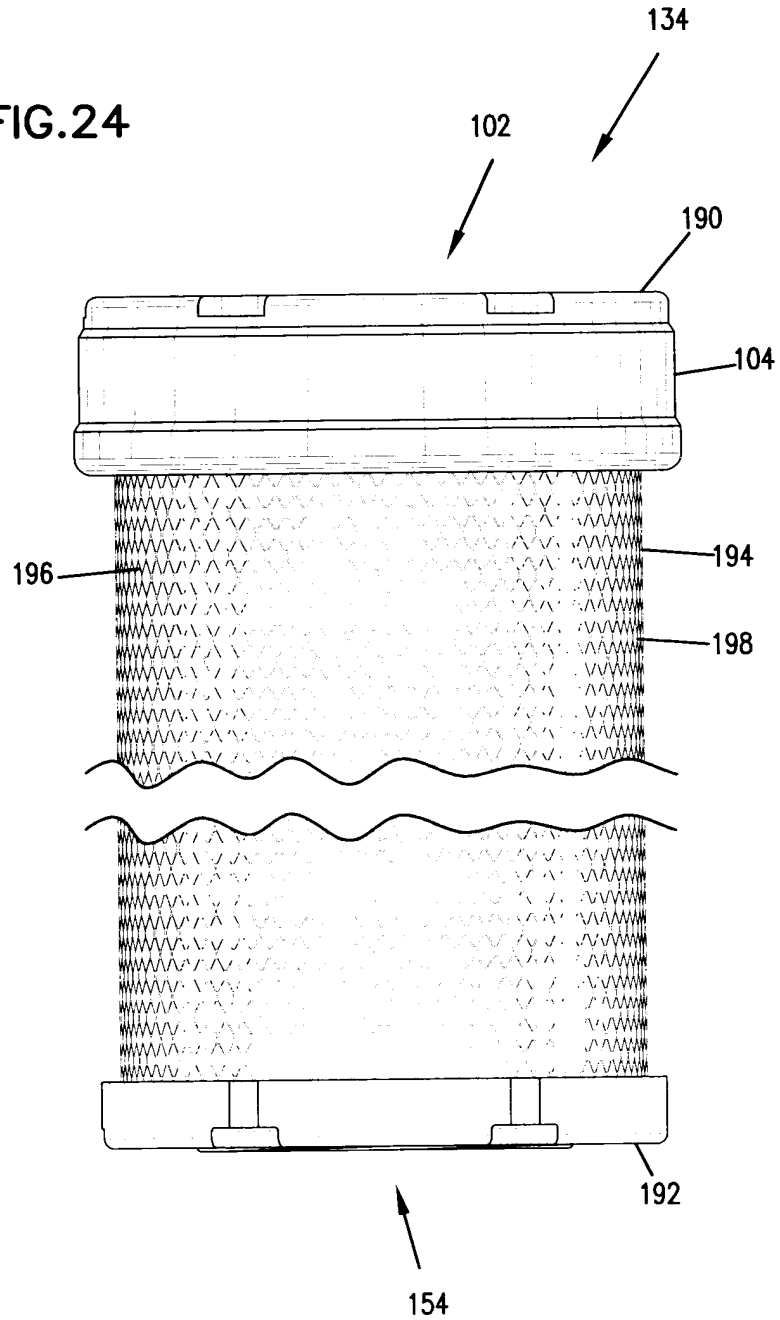


FIG.25

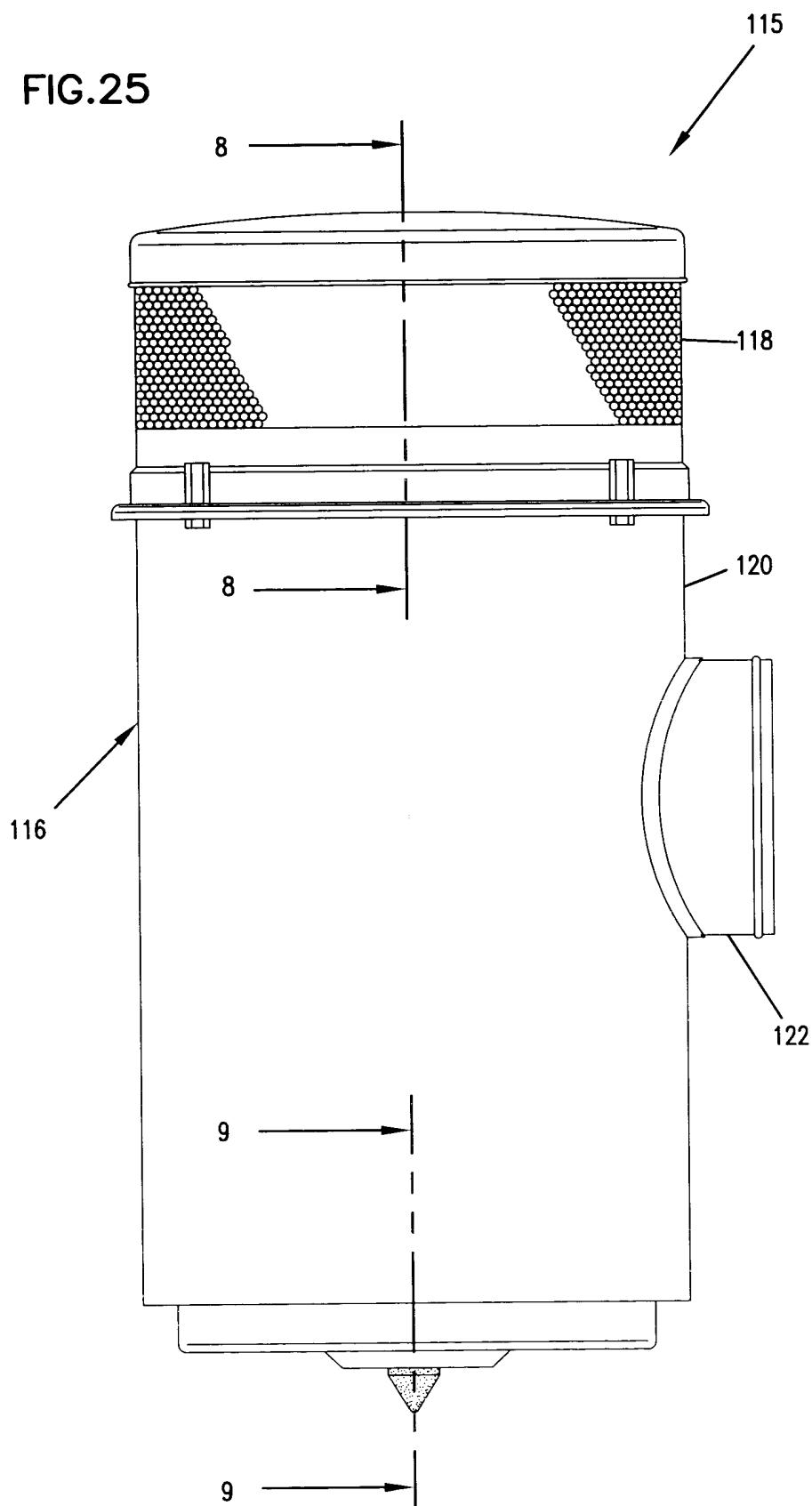


FIG. 26

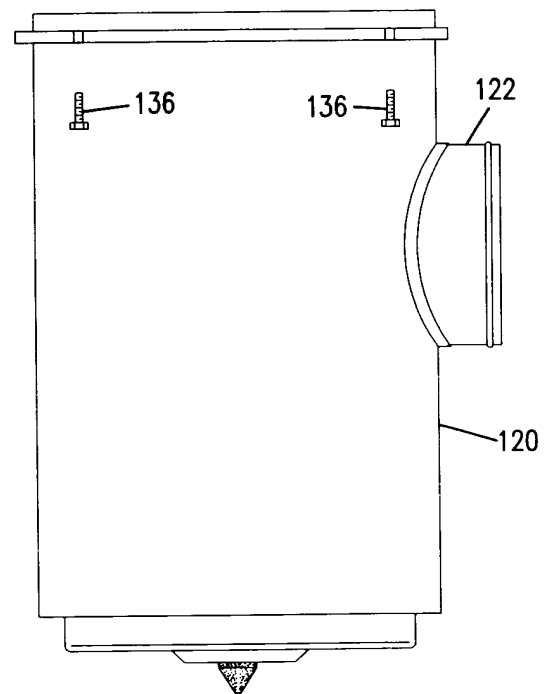
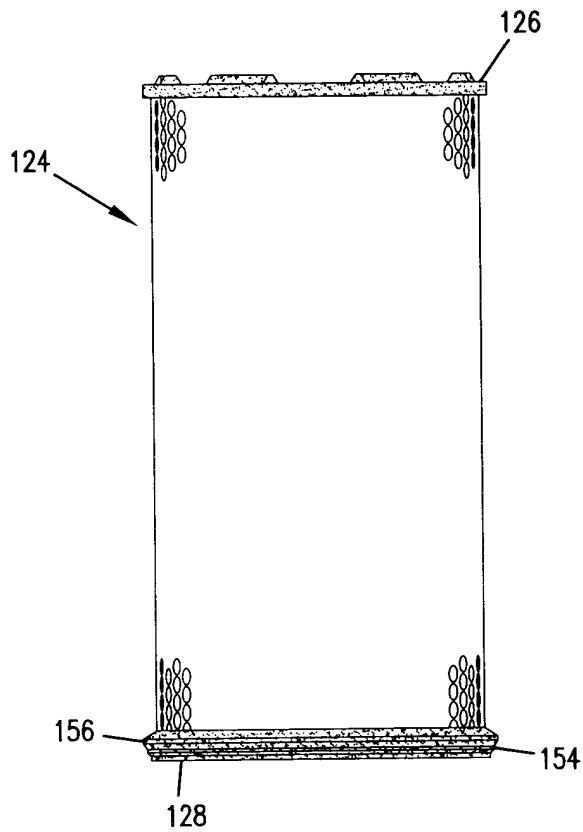
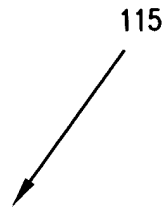
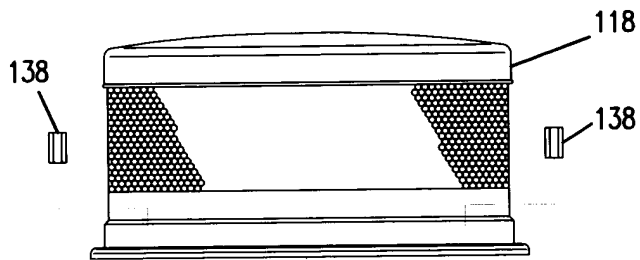
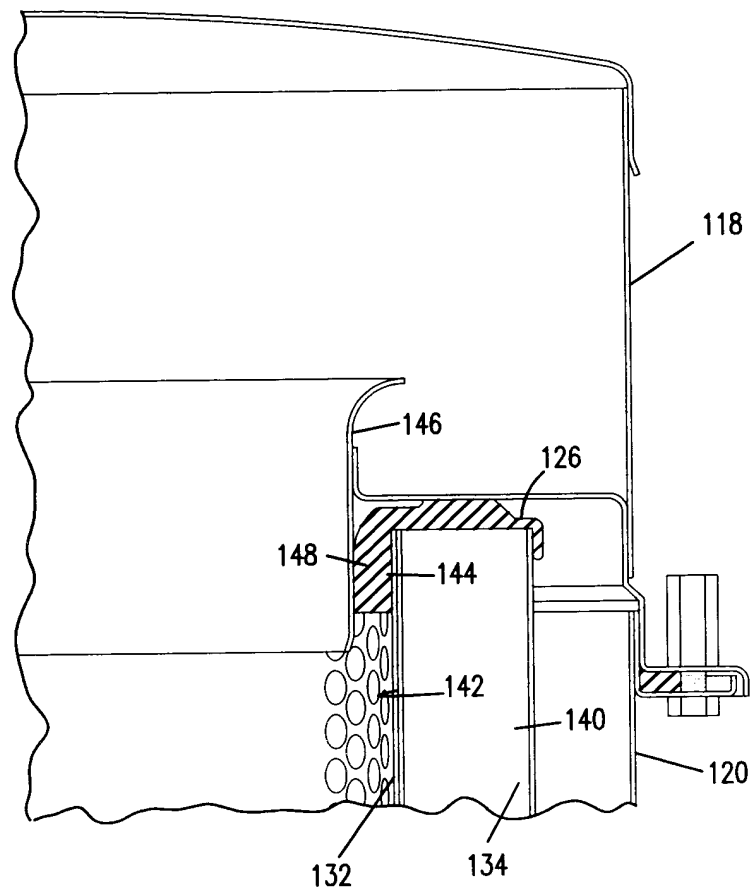




FIG.27



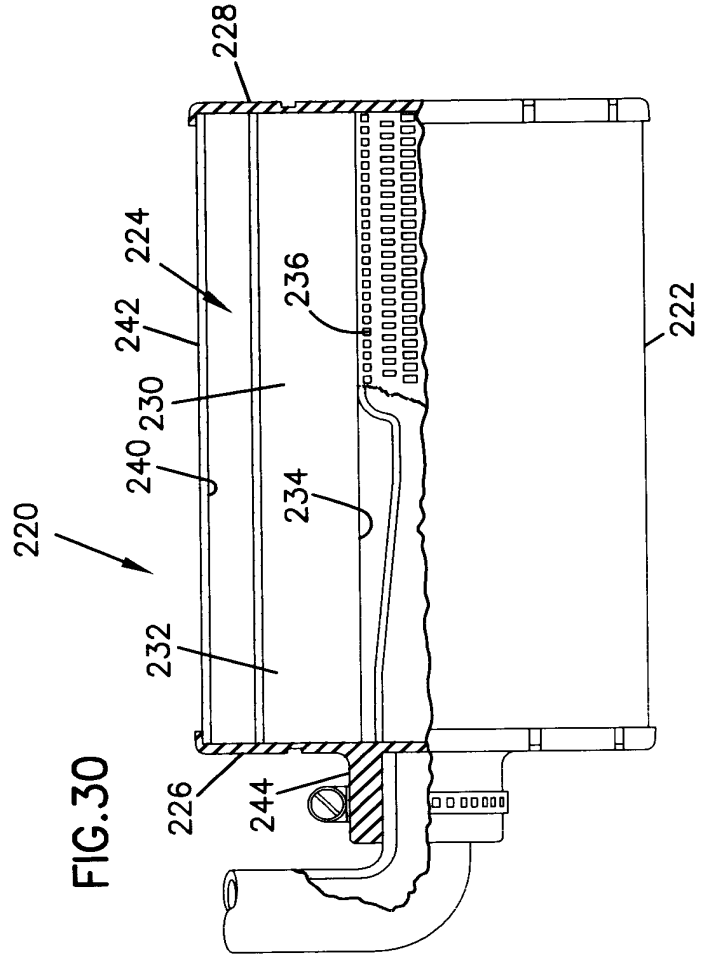
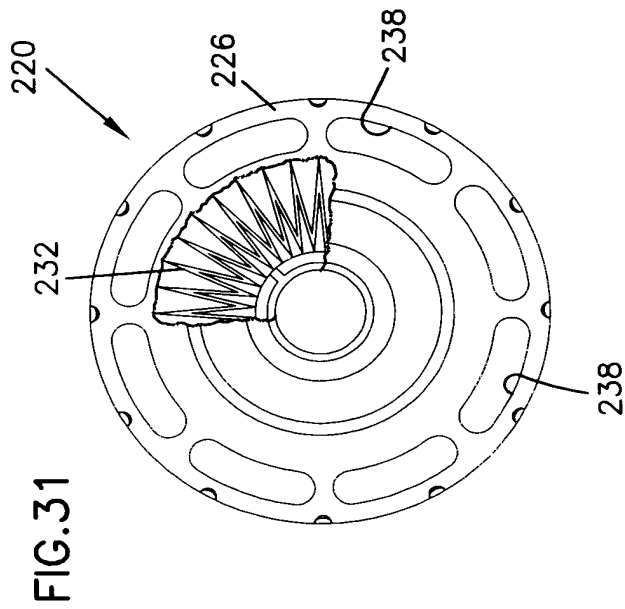
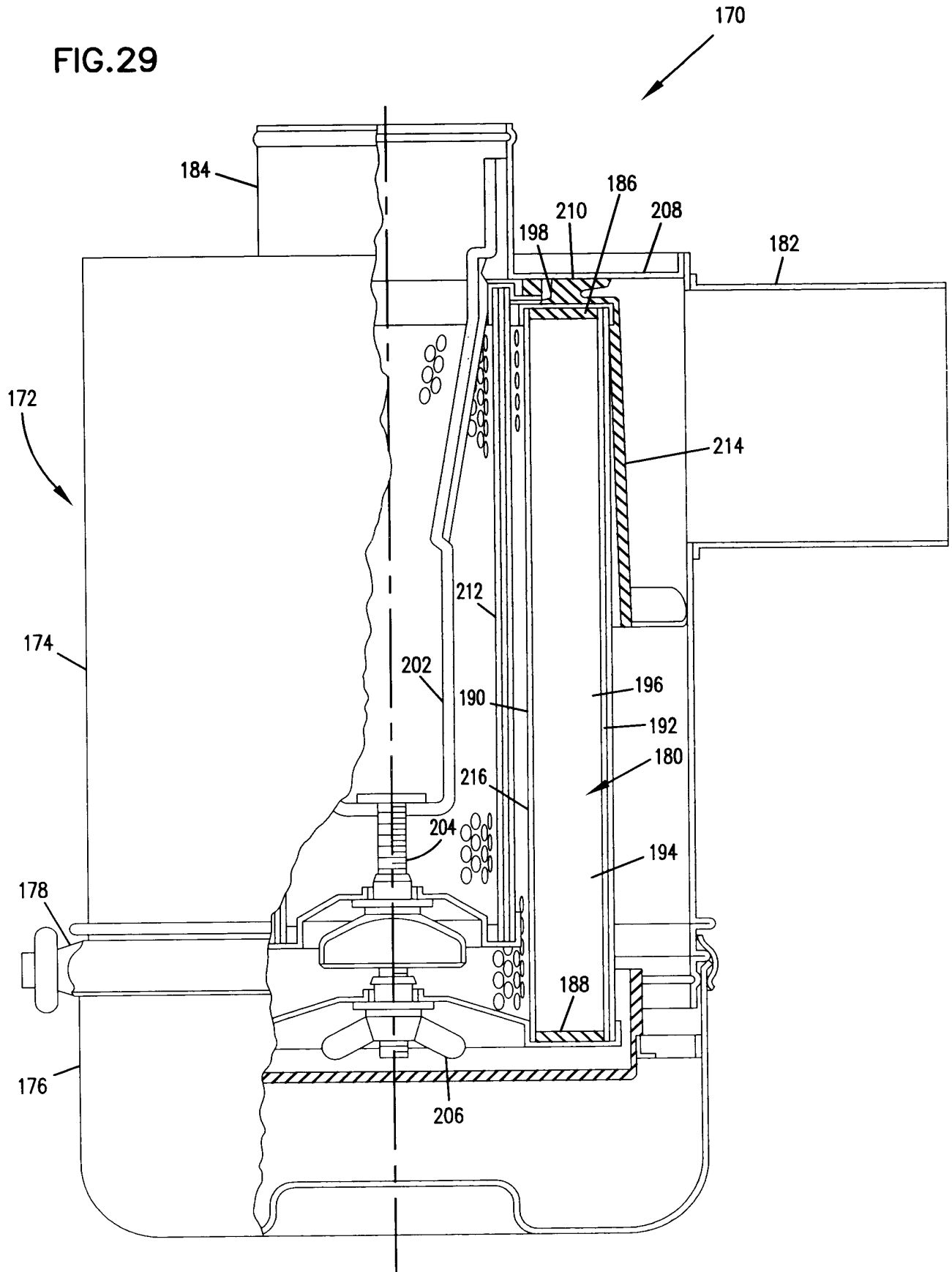


FIG.29



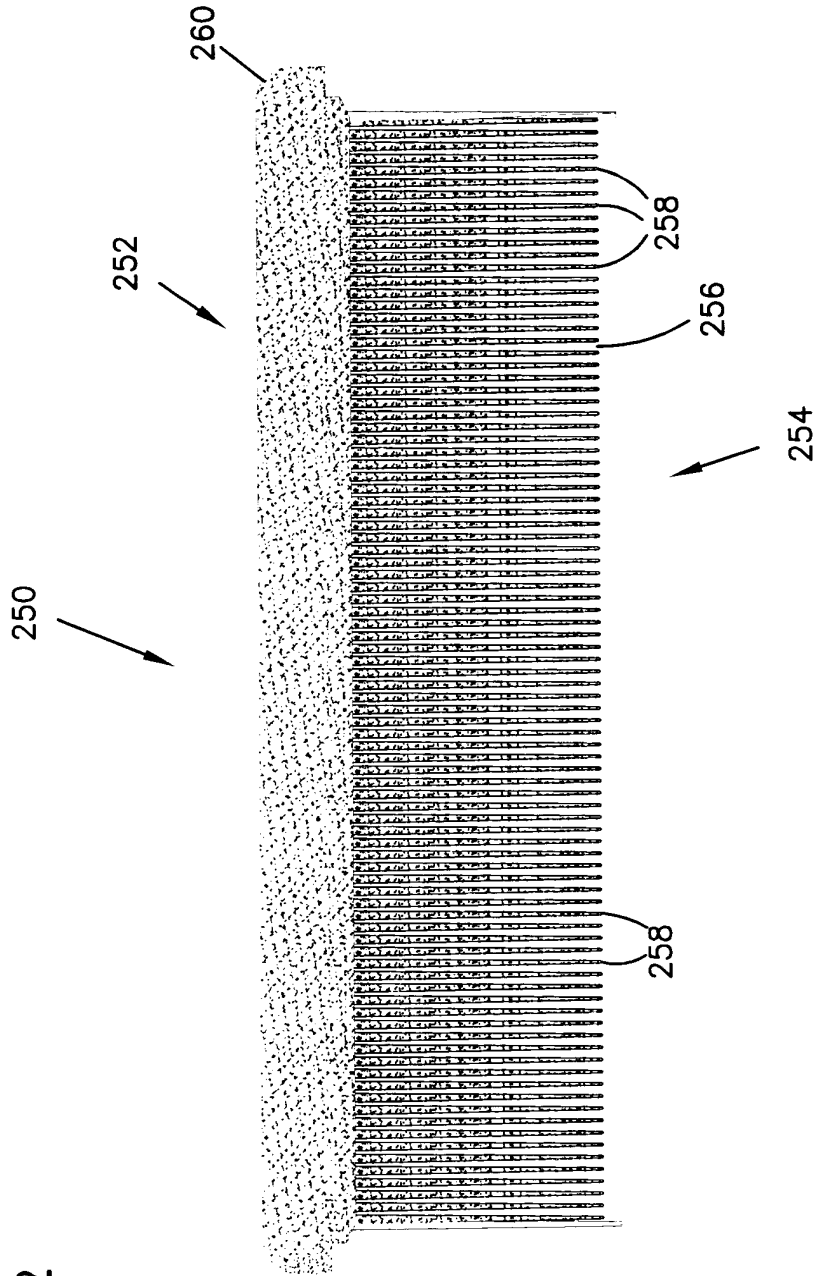


FIG. 32

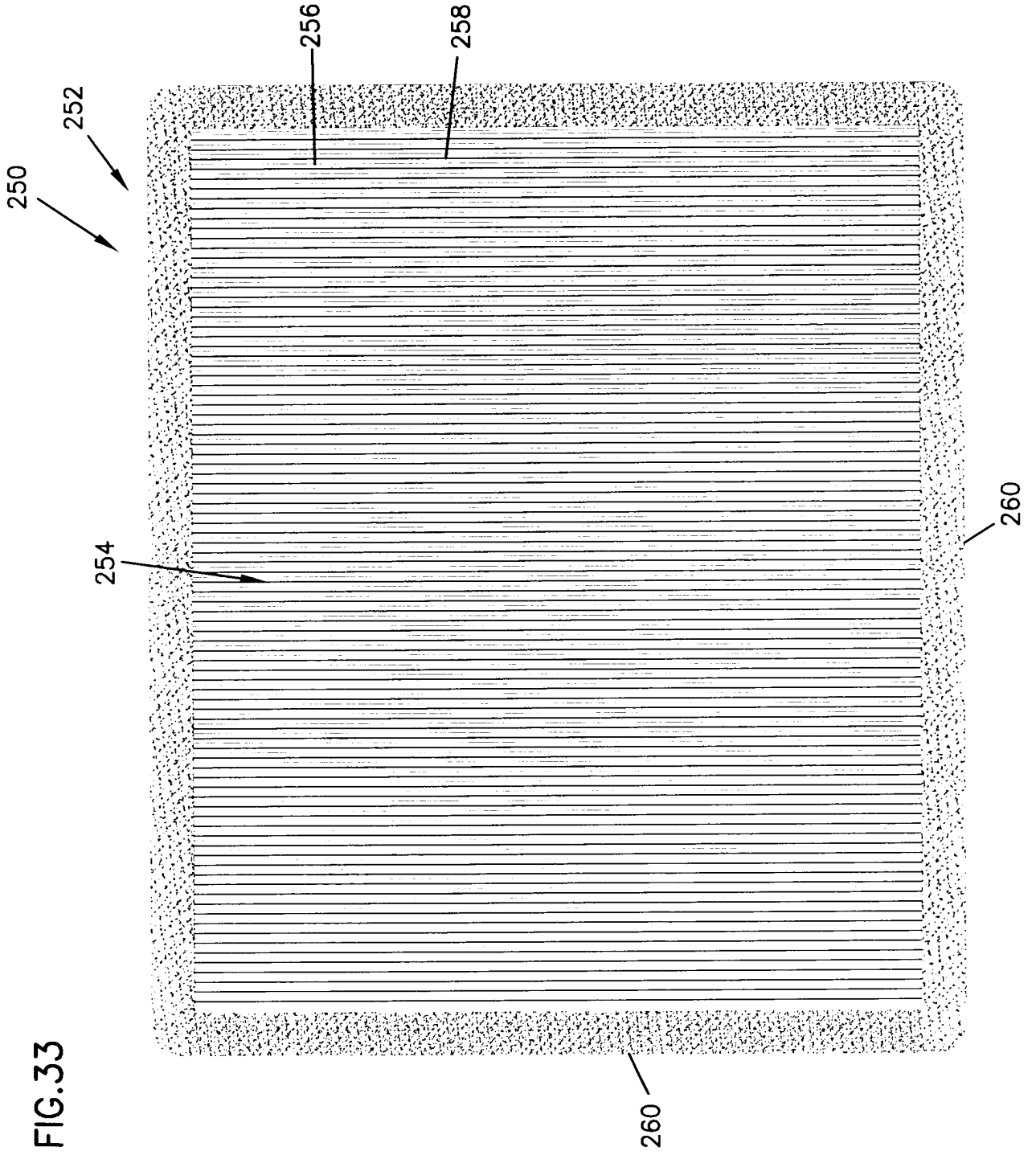
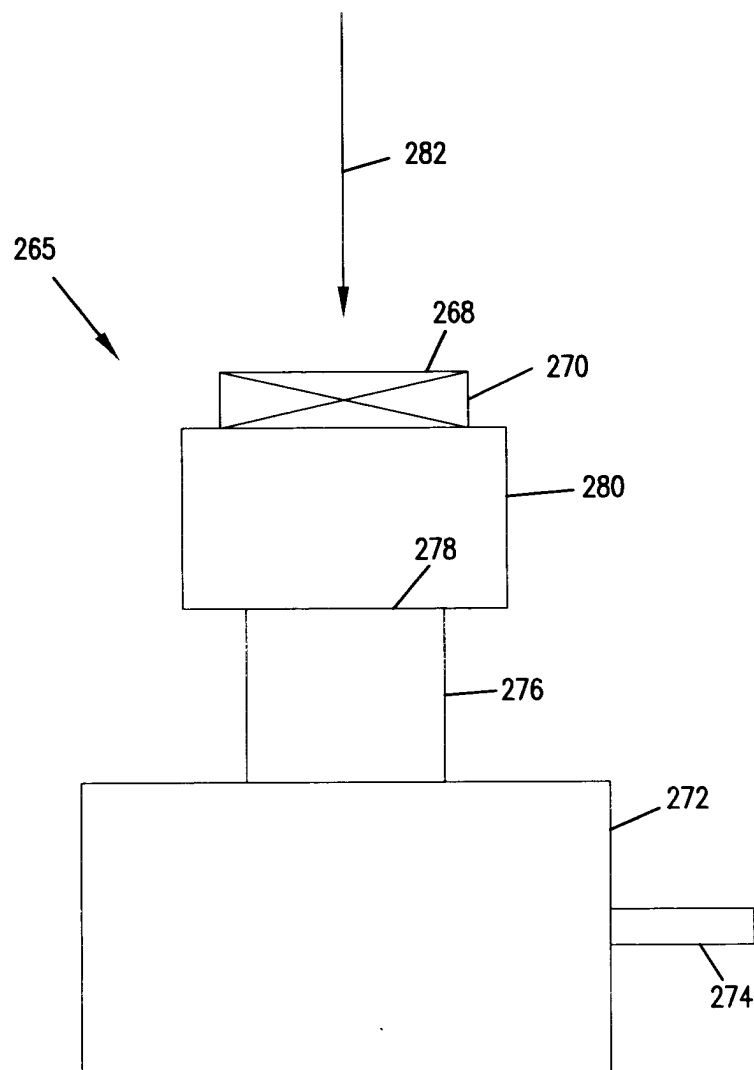


FIG.34



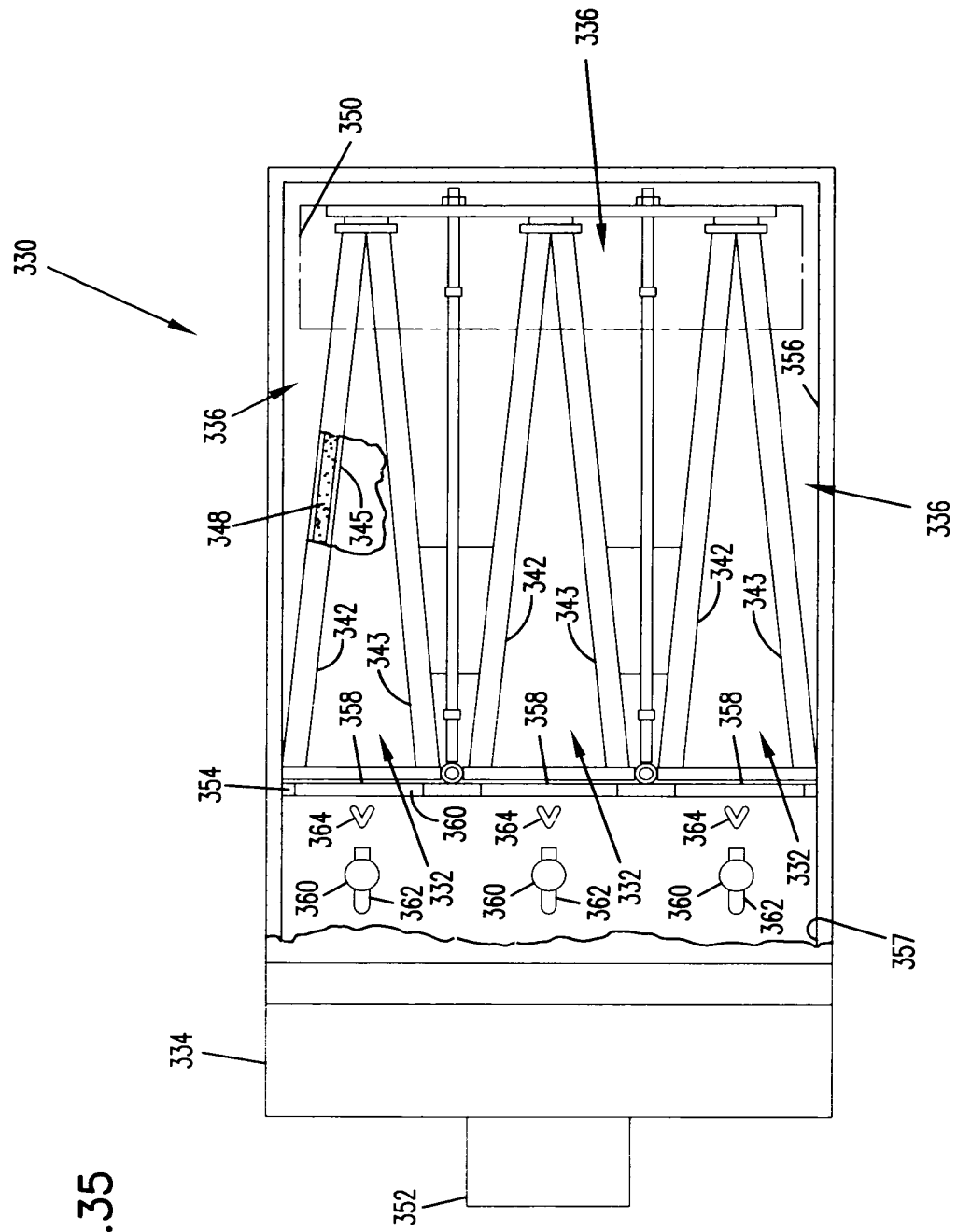


FIG. 35

FIG.36

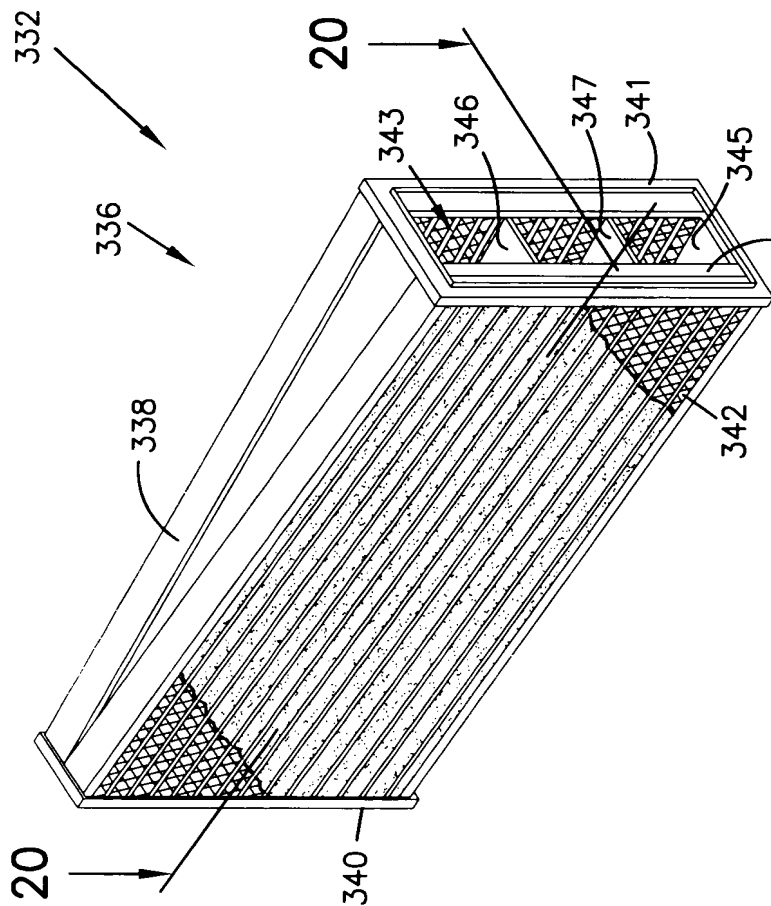
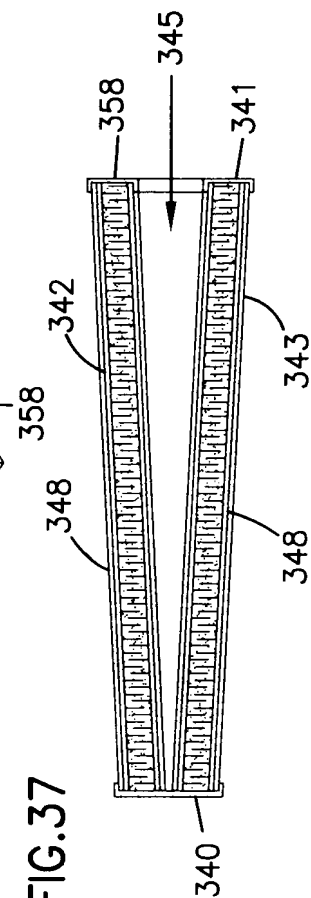


FIG.37





This cross-sectional view illustrates a multi-layered structure. A central core (130) is shown with internal layers (132, 134, 140) and a top surface (142). The core is flanked by side layers (120, 128) which contain internal structures (150, 152, 156). A central channel (160) is formed between the side layers, with a bottom surface (164) and a top surface (158). A central component (162) is positioned within the channel, and a bottom layer (128) is located beneath the channel.